

FINAL REPORT

FOR THE 45TH WORLDSKILLS COMPETITION,
KAZAN, RUSSIA 2019





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Dear colleagues,

On behalf of the Government of the Russian Federation, I cordially welcome all those with whom, by the will of fate, we experienced the unforgettable moments of the 45th WorldSkills Competition!

Four days of the main event in the field of vocational education in Kazan became a real triumph of professional excellence, beauty, and mutual enrichment of the world's cultures.

I would like to thank everyone involved in staging this event: Organizing Committee, Competitors, Experts, supporters, volunteers, Competition Organizer, and people of the country.

In 2015, we won the right to host the WorldSkills Competition, for which I am very grateful to WorldSkills International and WorldSkills Members. For the first time in history, our country has held such a significant and essential event in the field of vocational education.

The successful staging of the WorldSkills Competition in Kazan was made possible largely thanks to the personal and committed support of the project by the President of the Russian Federation Vladimir Putin and the Russian Prime Minister Dmitry Medvedev. We are also very grateful to the former President of WorldSkills Simon Bartley and his team for their continued assistance in all matters arising.

The past years were full of events and meetings – we lived and breathed the preparation for the WorldSkills Competition. Although we have a rich experience in hosting large events, we learned a lot, acquired unique skills and knowledge, made new friends.

I hope that the WorldSkills Competition in Kazan will become a powerful incentive for the revival of the prestige of skilled professions and growth of professional excellence among the Russian youth!

Be happy! I wish you new victories and see you soon!

Tatyana Golikova,
Deputy Prime Minister of the Russian Federation,
Chair of the Organizing Committee



Dear friends and colleagues!

The 45th WorldSkills Competition became one of the brightest and most memorable events of 2019. From August 22 to 27, the attention of the entire international educational community was attracted to Kazan. More than 1,350 Competitors and 1,300 Experts from 68 countries and regions (64 Members had Experts, 63 had Competitors, and 68 participated with Official or Technical Delegate) gathered for a big celebration of professional excellence and youth.

The positive feedback received from the Competitors, Experts, Member delegations representatives, and guests is the best result, indicating the success of the Competition.

At the same time, more than four years of preparation for the largest event in the field of vocational education have created the conditions for introducing our youth to the WorldSkills movement.

Every year, our country holds competitions in skilled professions, promoting the WorldSkills movement and encouraging the introduction of new effective mechanisms for the development of vocational education in Russia.

Thanks to the implementation of the WorldSkills Standards Specifications and the best international practices, we have started to modernize the TVET system in Russia and are already seeing positive results.

I hope that active and fruitful cooperation with colleagues from WorldSkills International will continue in the future.

I wish you all success in achieving your goals, new projects and their creative realization!

Olga Vasilyeva
Minister of Education of the Russian Federation



Dear friends,

The 45th WorldSkills Competition has become a landmark event in the social life of the Republic of Tatarstan and the whole country. It will forever be remembered by outstanding victories, warm and homely atmosphere of friendliness and hospitality.

According to all accounts, the Competition Organizers have made it possible to create the most comfortable conditions for a pleasant stay of the citizens from different countries. The guests and Competitors had a chance to get better acquainted with the life in Russia, multinational Tatarstan, feel the colour and pulse of its lifestyle. Developed infrastructure enabled us to stage the competition at a high level.

It all came true thanks to all-round support of our country's leadership, first and foremost, President Mr Vladimir Putin, Government of the Russian Federation along with WorldSkills International colleagues.

A successful event cannot do without federal ministries and institutions, educational, youth and other public organizations, and volunteers.

Special gratitude should be extended to the team of the "Young Professionals (WorldSkills Russia)" Union for understanding, professionalism and assistance throughout the entire pre-Competition period.

WorldSkills Kazan 2019 has left a unique legacy: Kazan Expo International Exhibition Centre, large amount of top-class equipment, and machinery for the vocational education and training institutions. We have obtained new opportunities for further development, expertise, made promising acquaintances and contacts.

I am confident that the 45th WorldSkills Competition will become the key to the future global changes in the vocational education of our country and will allow raising highly qualified young workers up to a new quality level.

Rustam Minnikhanov,
President of the Republic of Tatarstan,
Deputy Chair of the Organizing Committee



Dear friends,

This has been a memorable event to end my final term of office as President of WorldSkills.

All of us who were fortunate enough to attend WorldSkills Kazan 2019 will never forget the warmth of welcome that we received and for this we offer our sincerest thanks to our hosts, including WorldSkills Russia, the Russian Federation, the Republic of Tatarstan, and, of course the people of the city of Kazan.

The huge success of WorldSkills Kazan 2019 is testimony to the remarkable development and ambition of WorldSkills Russia, who we should not forget only became a WorldSkills Member in 2012. We witnessed this success with the biggest two Ceremonies in our history, with 40,000 guests attending, including President of the Russian Federation, Vladimir Putin and the Prime Minister Dmitry Medvedev.

Broadcast live on Russian television, both Ceremonies were seen by huge audiences that included Sky Showcase in the UK and through Chinese social media, on Weibo.

The enthusiasm shown at the Ceremonies and during the Competition was genuine recognition for the amazing talents and skills of every one of the more than 1,350 young Competitors - each one a Champion, and also for the long hours and hard work of the Experts who support them, and made this, and every Competition, such a success.

Increasingly, WorldSkills is helping to shape the global conversation about skills, and the direction we must take in a complex and ever-changing world. In Kazan, we welcomed the engagement by national leaders, Ministers, Deputy Ministers, and more than 40 national representatives who attended the Ministers Summit, and the highly successful and engaging WorldSkills Conference.

The credit for all this lies with you, the family of WorldSkills and all those who support it, from our partners, so generous with resources and funding, to the multitude of volunteers, so generous with their time and good nature. Truly the future of WorldSkills is in good hands.

Simon Bartley
President of WorldSkills





Dear friends,

I would like to extend a heartfelt welcome to you on behalf of all residents of Kazan – the host city of the 45th WorldSkills Competition.

We are proud that this tremendous festival, held in our city with a thousand-year history, united young people from all over the world. Today with joy and warmth in my heart, I recall the atmosphere of goodwill, unity and excitement that WorldSkills Kazan 2019 brought us.

Participants and guests of the Competition had a great opportunity to get acquainted with the lifestyle of boundless Russia, multinational Tatarstan and multicultural Kazan, as well as to see the original identity of the city, unique architectural monuments marked by UNESCO, and developed innovative infrastructure.

By virtue of the rapid pace of development, Kazan is one of the most promising industrial and scientific centres in the country. That is why it was important and honourable for our city to organize such a significant global event in the field of vocational education. I am deeply grateful to those who contributed to its preparation and conduct. All levels of authorities, including federal, republican, and municipal, have contributed to achieve this single goal. That is why we made it all work.

I am sure that WorldSkills Kazan 2019 will become a powerful impetus in positioning the vocational profession as a worthy choice of young people for their future career.

I wish you a brilliant success, all the best of luck and new achievements!

Ilсур Метшин
Mayor of Kazan



Dear friends,

So much time and effort goes on behind the scenes to ensure the success of a WorldSkills Competition, and WorldSkills Kazan 2019 was no exception.

Let me begin then, by thanking the outstanding work of the WorldSkills Kazan 2019 Competition Organizer team (WorldSkills Russia and the Kazan Directorate for Sports and Social Projects) and the Russian Federation and Republic of Tatarstan for making the 45th WorldSkills Competition such a stunning success.

They were not alone of course. Once again, a huge thanks to our Global Partners, especially our Presenting Partner, Samsung, the Member delegates, Experts, Skill Competition Managers, Workshop Managers, Team Leaders, and the WorldSkills Secretariat. We appreciate and respect the important work you do.

WorldSkills Kazan 2019 was not only the world's greatest vocational skills competition, but it was also a global forum for the greatest issues and challenges that face our society. We saw this at WorldSkills Conference 2019, which had the theme "Skills for Change: Building Blocks for Impact".

The Conference, alongside the Ministers Summit, gathered more than a 1,000 participants representing a diverse range of ages, nations, and backgrounds, to tackle the most pressing issues of our time. Discussions and presentations ranged from how environmentally friendly green skills can ensure a cleaner and more sustainable planet, to how we build an agile workforce whose young people can successfully adapt to new industries, and fast evolving technologies.

We had over 900 media from more than 50 countries attend and share the story of WorldSkills Kazan 2019 with millions of viewers globally.

The Competition achieved many objectives both within Russia and around the world and I believe we can say it was an outstanding success. Our mission is so important to individuals, economies, and countries. Thank you to everyone who contributed to the Competition, especially our WorldSkills Champions, who demonstrated to the world how skills change lives.

David Hoey
CEO of WorldSkills International





Dear friends,

The 45th WorldSkills Competition in Kazan turned into one of the most important international events held in Russia this year, and it surpassed all other such competitions in history by all key criteria. More than 1,350 Competitors from 68 countries and regions (64 Members had Experts, 63 had Competitors, and 68 participated as Official or Technical Delegates) received the unique opportunity to showcase their skills and professionalism to the whole world.

WorldSkills Kazan 2019 owes a lot of its success to the personal interest and involvement of the President of the Russian Federation Vladimir Putin, Prime Minister Dmitry Medvedev, Deputy Prime Minister Tatyana Golikova, and President of the Republic of Tatarstan Rustam Minnikhanov.

On behalf of the Young Professionals (WorldSkills Russia) Union, I would like to express how much we appreciate everyone who helped make this event possible, including Experts, Competitors, Conference participants, as well as the visitors and the hospitable people of Kazan.

The Russian team won 22 medals, including 14 gold. This proves that vocational skills in our country are taught at a very respectable level and that our experts and top professionals have mastered global-level technology, making us capable of competing with the countries that we once learned from.

This event has been unique in many respects. For the first time ever, apart from the 56 classic skills, competitions in 25 Future Skills from the field of advanced staff training for high-tech production and a transforming economy have been held at the venue. Moreover, young competitors took part in the WorldSkills Junior competitions in 13 skills. All of this has allowed us to go above and beyond the amazing results shown at the previous competition held in Abu Dhabi in 2017.

The Conference Programme has been no less interesting and diverse than the actual competition. The young professionals taking part in the competition were also joined by a number of other guests from WorldSkills Member countries and regions: politicians, researchers, industrial partners, heads of educational organizations, and representatives of development institutions. They discussed the current trends in the economy and technology, vocational training development challenges, and ways to transform the labour market. Our international programme provided a platform for reviewing and sharing best global practices alongside professional networking. Furthermore, the WorldSkills Conference 2019 included a summit of ministers responsible for the development of staff education and training in their countries, the second such event in the WorldSkills history. During the summit, Tatyana Golikova put forth a special initiative (later called the Kazan Declaration) aimed at launching a global overhaul process that will modernize the way we evaluate the skills of young people just entering the labour market.

In conclusion, I must stress that WorldSkills Kazan 2019 would never have been made possible without the invaluable input of our partners, which included Russia's leading enterprises: Rosatom State Nuclear Energy Corporation, Rostech State Corporation, Rostelecom PJSC, Rosseti PJSC, ChelPipe Group, EVRAZ Holding, SIBUR Group, Sberbank PJSC, Infowatch Group, and Russian Quantum Centre. I would also like to thank our foreign partners: Autodesk, Siemens, DMG Mori, Kempipi, Lincoln Electric, Festo, Kuka, Fanuk, and many others.

Many thanks to everyone who helped turn WorldSkills Kazan 2019 into an event that we can all be sincerely proud of!

Robert Urazov
Director General
Young Professionals (WorldSkills Russia) Union



Congratulations to the more than 1,350 Competitors who took part in the 45th WorldSkills Competition in Russia.

You arrived as accomplished young skilled professionals tasked with representing your country or region, showcasing your skills and competing on a global stage. You went home a WorldSkills Champion – with or without a medal, your efforts have inspired a new generation with the power of vocational skills and education.

Behind every Competitor is a host of supporters who deserve our tremendous thanks for helping to build more Champions. From the Global Partners, Experts and Team Leaders, to the employers, trainers, instructors, and families, you all provided critical support along the road to WorldSkills Kazan 2019.

The inspirational role of our newest Champions did not end when they completed the skill competitions in Kazan. Rather this was just a beginning. Their individual stories have the power to inspire other young people to follow in their footsteps with a future career in the skills, trades, and technologies and perhaps even to become Champions themselves.

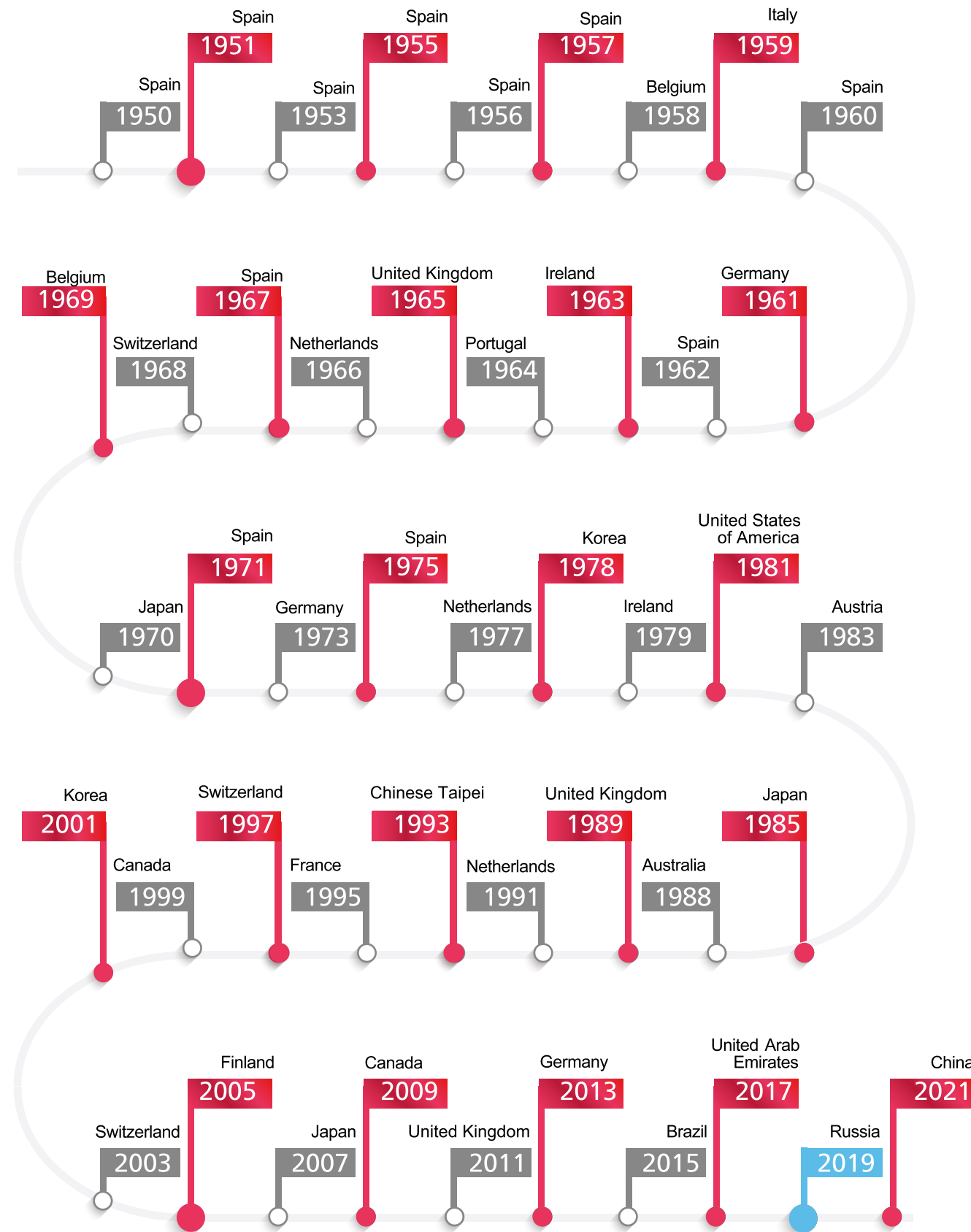
Champions, your work as a representative of the WorldSkills movement has just begun. We invite you to continue your WorldSkills adventure by sharing your experiences with new generations and by demonstrating to policy makers the importance of investing in skills development.

Congratulations to all Competitors on reaching the pinnacle of skills excellence and we welcome you to the Champion family!

Your WorldSkills Champions Trust representatives



WORLD SKILLS COMPETITIONS CHRONOLOGY



2. GENERAL INFORMATION

2.1. WSI AND WSC

WorldSkills International (WSI) is an international movement aimed at raising the profile and recognition of skilled people, and show how important skills are in achieving economic growth and personal success as well as at promoting skilled professions and improving professional training quality, standards, and qualification worldwide. Ever since its inception, WorldSkills International has been providing expert knowledge and aid in developing and enforcing the highest global professional standards for skills in the industrial and service sectors.

WSI dedicates most of its efforts to delivering WorldSkills Competitions in various countries around the globe, thus giving young professionals (aged 16 to 25) a chance to express themselves and showcase their skills.

WORLD SKILLS COMPETITION (WSC)

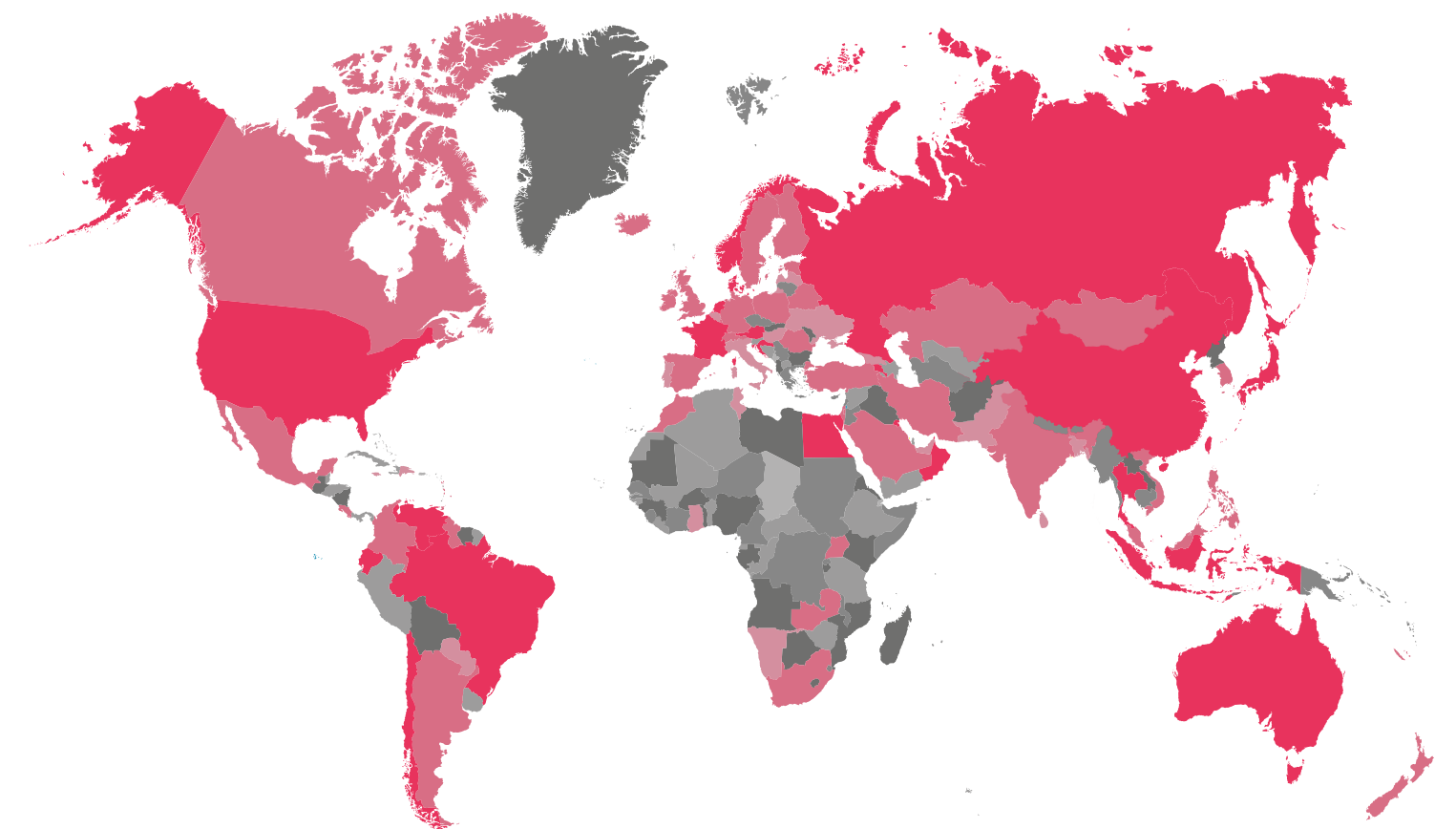
Once every two years, hundreds of young skilled people from all over the world, participate in the

world championships of skills. These Competitors are accompanied by their Experts, teachers and trainers, who have prepared them to compete in this test of professional excellence. The members of each team are selected after winning regional and national competitions. Since the first competition in 1950, the number of participants has increased from 12 Competitors from two countries to more than 1,350 Competitors. Today, the WSI movement includes 82 countries and regions. The WorldSkills national competitions around the world are attended by hundreds of thousands of high school students, which makes the movement a powerful route to vocational education for young people.

The competitions have rules which include:

- The competitions must be public, that is, they can be freely visited by all interested persons.
- The rules and conditions of holding the competitions must be uniform and equal for all participants.
- Test project and evaluation criteria shall be known in advance.

During the competition, all the selected criteria shall be evaluated. At least 15 hours and no more than 22 hours of net competition time is allocated for this.



■ NON-MEMBER COUNTRIES AND REGIONS ■ WORLD SKILLS MEMBER COUNTRIES AND REGIONS



45th WORLDSKILLS COMPETITION
(HEREINAFTER – WSC2019) WAS HELD IN
KAZAN 22-27 AUGUST 2019

The Competition participants included:

- 1,354 Competitors from 63 countries and regions,
- 1,304 Experts.

- 56 skills.
- 13 days of the official programme – 16-28 August.
- 25 days of the operational period – 8 August – 1 September 2019.

128 venues involved, which include:

- Competition venue – 1
- Opening and Closing Ceremonies venue – 1
- Venues for organized groups gathering – 3
- Accommodation facilities – 59
- Arrival/departure venues – 6
- Educational organizations as part of One School One Country programme – 58

The general number of those who visited the Kazan Expo International Exhibition Centre on the Competition days amounted to 272,345 people from 88 countries and 85 regions of the Russian Federation.

The main award of the Competition named after the founder of WorldSkills, Albert Vidal, was won by the Russian female Competitor, Anastasia Kamneva from Yaroslavl.

The Competition venue was the Kazan Expo International Exhibition Centre, the largest one in the Volga Federal District.

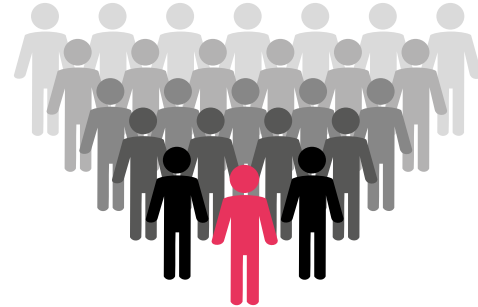
The team of 3,688 volunteers from 85 regions of the country and 41 countries was formed, which were involved in 33 functional areas in 97 different role positions.

The Opening Ceremony of the Competition (22 August) was attended by 40,637 people, the Closing Ceremony (27 August) – by 38,428 people. Kazan Arena Stadium became the ceremonies venue. In addition to the ceremonies, the Farewell Party attended by 3,700 guests took place on 27 August, and on 28 August, the final event of the WSC2019 volunteers was held.

The WSC2019 partners amounted to 134 companies. The Overall Event Partner was Global Premium Partner of WorldSkills International, Samsung. Rosatom State Corporation became the National Strategic Partner. Platinum partners were 1C, DMG MORI, FESTO, Heidelberg, Russian Helicopters, Sibur, Stanley Black and Decker. More than 40% of the Partner companies are Russian or have manufacturing in the territory of the Russian Federation.

In parallel with the Competition, the Kazan Expo IEC hosted WorldSkills General Assembly, WorldSkills Conference 2019, including the National Track, and the Ministers Summit.

272,345
PEOPLE
VISITED KAZAN EXPO



CEREMONIES' SPECTATORS
40,637 **38,428**
OPENING CEREMONY CLOSING CEREMONY

836 FROM **45**
COUNTRIES
MEDIA REPRESENTATIVES



23-26
AUGUST
2019

4 YEARS
OF PREPARATION

13 DAYS
OF THE OFFICIAL
PROGRAMME

25 DAYS
OF THE OPERATIONAL
PERIOD



56 SKILLS

1,354 **1,304**
COMPETITORS EXPERTS

25 **82** COMPETITORS
13 CHIEF EXPERTS
50 COMPATRIOT EXPERTS
FUTURESKILLS SKILLS

13 **171** COMPETITORS
23 CHIEF EXPERTS
88 EXPERTS
WORLDSKILLS JUNIORS SKILLS

2.2. BIDDING CAMPAIGN

In 2015, in São Paulo (Brazil), Kazan won the right to host the 45th WorldSkills Competition. WorldSkills Competition 2019 was the first held in the territory of the Russian Federation.



2.3. HOSTS

The Russian Federation is a multinational state with more than 160 nationalities living here and preserving their language and ethno-cultural identity. This is the world's largest country in terms of overall land mass. With the area of 17,125,191 square kilometres, Russia has large reserves of natural resources: oil, coal, natural gas, various mineral resources of strategic importance, diamonds, and wood. Russia is a permanent member of the UN Security Council, Asia-Pacific Economic Cooperation, Shanghai Cooperation Organization, World Trade Organization, and a leading member of the Commonwealth of Independent States.

RUSSIAN FEDERATION

17,125,191 KM²



MORE THAN **160**
ETHNICITIES

RUSSIA COMPRISES **85**
FEDERAL SUBJECTS
(REPUBLICS, KRAIS (TERRITORIES),
OBLASTS (REGIONS), ETC.)



The Republic of Tatarstan is one of the most progressive regions of the country in terms of economic development.

Tatarstan's industrial base is founded on petrochemical and machine-building industries. The priority trends of the republic's development include IT and nanotechnologies. Science and education are an intellectual support for Tatarstan's industry.

The republican subsoil is rich in large oil deposits, which ensures a high standard of living in the region.

Tatarstan is the sporting heart of Russia that annually plays host to the world championships in various sports. It is also one of the most attractive tourist regions: every year, hundreds of thousands of tourists visit Kazan, Great Bolgar, and the town-island of Sviyazhsk.

Kazan is the capital of the Republic of Tatarstan, a city with a thousand-year history, one of Russia's major economic, political, scientific, cultural and sports centres, and a home to over 100 ethnicities that live in perfect harmony, preserving their cultural, religious, and linguistic diversity. For over 200 years, Kazan has been a leading scientific centre in Eastern Europe. World-famous schools of mathematicians, chemists, astronomers, physicists, orientologists, linguists, and physiologists emerged here. The Tatarstan Academy of Sciences and the Kazan Research Centre of the Russian Academy of Sciences, as well as Russia's largest higher educational establishments are based in Kazan.

REPUBLIC OF TATARSTAN

67,836 KM²

290 KM FROM NORTH TO SOUTH

460 KM FROM WEST TO EAST



3. PLANNING AND COORDINATION. MANAGEMENT STRUCTURE

The formed Competition Management System ensured effective interaction of the federal executive authorities, institutions, and organizations in the period of preparation for and during the Competition.

The key factor of the WSC2019 success was the effective interaction of the main facilitators who shared the responsibility for the event.

3.1. ORGANIZING COMMITTEE

On 29 September 2015, Protocol of Instructions of the President of the Russian Federation, Vladimir Putin, No. PR-1921 was issued, which set the main directions of preparation for the Competition. In pursuance of these instructions, meetings were held at the level of the Deputy Prime Minister of the Russian Federation, Olga Golodets, and the leadership of the Ministry of Education and Science of the Russian Federation.

By Order of the Government of the Russian Federation dated 27 November 2015 No. 2429-r, the Organizing Committee was established to prepare for the Competition (by Decree of the Government of the Russian Federation dated 11.01.2017 No. 3-r, Olga Vasilyeva was included into the Organizing Committee; by Order of the Government of the Russian Federation dated 18.08.2018 No. 1726-p, the Organizing Committee was headed by the Deputy Prime Minister Tatyana Golikova).

On 30 November 2015, the first meeting of the Organizing Committee was conducted where an action plan for the preparation and staging of the Competition for the period from 2016 to 2019 was considered.

3.2. REPUBLICAN ORGANIZING COMMITTEE

The Government of the Republic of Tatarstan accepted the Decree No 2442-r dated 26 October 2016 on Establishment of the Republican Organizing Committee for the Preparation and Staging of the WorldSkills Competition in Kazan in 2019.

According to the order of the President of the Republic of Tatarstan Rustam Minnikhanov, a republican plan for the preparation and staging of WSC2019 was developed and approved. The final distribution of functional responsibilities between the Republic of Tatarstan and federal structures was agreed.

By Decree of the President of the Republic of Tatarstan dated 20 December 2018 No. UP-865, the Republican Organizing Committee was formed and its composition was approved.

3.3. AGENCY FOR THE DEVELOPMENT OF PROFESSIONAL COMMUNITIES AND SKILLED WORKERS “YOUNG PROFESSIONALS (WORLDSKILLS RUSSIA)” UNION

“Young Professionals (WorldSkills Russia)” Union acts as

the official representative of the WorldSkills International movement in Russia and covers all regions of the country.

Since 2013, Russia has been annually hosting the “Young Professionals” WorldSkills Russia competitions among young professionals from 16 to 22 years of age studying in the vocational education system. Since 2014, “Young Professionals (WorldSkills Russia)” Union has been organizing corporate competitions among employees of industrial enterprises. Every year, the workers of those enterprises that have become the best in their corporation compete in professional excellence as part of the WorldSkills Hi-Tech National Competition. It involves workers of corporations and holdings, such as Roscosmos, Rosatom, Rostech, Rosneft, Uralvagonzavod, and others. Workers from more than 250 enterprises have been involved into the industrial block of the movement.

In addition to organizing professional skills competitions held in each region before the annual finals of the National Competition, WorldSkills Russia introduces international standards in the final certification of graduates of colleges and technical schools in the format of a demonstration exam, develops an expert community and replicates the best international and domestic practices in the vocational education system by raising qualifications of masters of industrial training, teachers, and directors.

3.4. ANO “DIRECTORATE FOR SPORTS AND SOCIAL PROJECTS”

ANO “Directorate for Sports and Social Projects” was assigned as an official organizer of the 45th WorldSkills Competition, Kazan, Russia 2019 on behalf of the Republic of Tatarstan.

The Directorate was founded on 14 August 2009 with the purpose of preparation and staging of the 27th Summer Universiade Kazan 2013. Afterwards the list of objectives of the Directorate’s activities was expanded and included the preparation and hosting of large international sports competitions, social, cultural, educational, and other events.

ANO “Directorate for Sports and Social Projects” was founded jointly by the Russian Federation represented by the Ministry of Sport of the Russian Federation, the Republic of Tatarstan represented by the Cabinet of Ministers of the Republic of Tatarstan, the city of Kazan represented by the municipal state institution “Committee of Land and Property Relations of the Executive Committee of the Municipality of the City of Kazan” and the Russian Students Sports Union (an all-Russian public organization).

3.5. PROJECT MANAGEMENT

The Directorate applies the project management system, within which the Project Committee and the Project Office operate.

To maintain and systematize the project management processes, Automated Management System “PRIZ”, the information system for project management, is used, which allows real-time implementation of:

- monitoring of projects implementation, reports collection, supervising the milestones and instructions implementation;
- integration of the developed operational planning documents on the information portal formed on its basis.

Based on the analysis of the project management use, the Project Management Centre of the Federal State Budgetary Educational Institution of Higher Education “The Russian Academy of National Economy and Public Administration under the President of the Russian Federation” recognized the experience of project management with the help of the automated project management system used by the Directorate as one of the best practices in the constituent entities of the Russian Federation and recommended it to the regions of the Russian Federation for use in large international events.

3.6. STRATEGIC PLAN

To organize comprehensive and systematic work on the preparation for WSC2019 in August 2017, the Strategic Plan was developed, which identified the strategic goals, management structure and functional area (FA) goals based on the needs and commitments of the host city, key indicators and preparation deadlines.

Competition Mission

To deliver a successful and unique Competition meeting the highest international standards and Competitors’ expectations. To offer our cordiality and hospitality, raise the profile of vocational education and attract more and more young people to skills.

The main strategic goals for achieving the mission of the Competition:

1. International Standard

To deliver a successful (from all points of view) WSC2019 at the modern level, in full accordance with the commitments made to WorldSkills International, WorldSkills Russia, and the Host City, based on the core values of WorldSkills International, including fairness, excellence, diversity, integrity, transparency, partnership, and innovation.

2. Customer Client orientation

To ensure high-quality customer service.

3. Strategic Partnership

To organize the most effective cooperation and partnership relations with government bodies, secondary vocational education institutions, business groups, and the public in order to achieve the WSC2019 goals.

4. Marketing and brand

To take advantage of dynamic marketing opportunities for advertising and promotion of the Competition through popularizing the WorldSkills brand, WSC2019, skilled occupations, the Russian Federation, and Kazan.

5. Legacy

To form a heritage in the form of best practices and

knowledge, information systems and technologies, material and technical assets, buildings, and structures.

6. Host City

To reflect the traditions and customs of the host city and country in the presentation of WSC2019, to enhance the image of Kazan.

In addition to the Strategic Plan, the following documents were adjusted and maintained:

- WSC2019 scheduled plan of that defines the key tasks and deadlines for their implementation, based on the requirements and commitments of the host city.
- A directory of functional areas (51 areas of preparation, with assignment of responsibilities and differentiation of powers within the Directorate for Sports and Social Projects and “Young Professionals (WorldSkills Russia)” Union), as well as identification of those responsible from WorldSkills International (WSI).
- A directory of the WSC2019 Venues, including data on the main venues and sub-venues, infrastructure facilities.
- WSC2019 Client Groups Matrix containing detailed information on clients, their forecast numbers and responsible persons, including those from WSI.
- In order to plan the organizers’ work during WSC2019, the following documents were developed:
 - Functional Operational Plans;
 - Tactical Plan for the preparation and staging of WSC2019;
 - Aroadmap that graphically reflects the interdependence with external partners, including the stages of work with interested bodies, development of a work plan for each functional area;
 - Policies and procedures, i.e. 395 local documents regulating the rules and procedures for the operation of functional areas during the WSC2019 operational period.

3.7. FINANCES

The operational budget for the preparation and staging of WSC2019 for 2016-2019 amounted to 12.61 billion roubles, including:

- federal budget funds – 10.15 billion roubles;
- budget funds of the Republic of Tatarstan – 1.35 billion roubles;
- extra-budgetary funds – 1.11 billion roubles.

The budget was formed in accordance with the statute goals of the organization, the Plan of the main events for the preparation and staging of the WorldSkills Competition 2019 in Kazan, the Bidding Book, the Memorandum of Understanding, covenants of the Government of the Russian Federation.

PAO AK BARS Bank acted as the WSC2019 partner and established an additional office in the Main International Centre (MIC) where the services of round-the-clock payment acceptance and currency exchange were provided. ATMs were installed in the MIC and at the Kazan Expo IEC.

WSC2019 insurance was provided in accordance with the

requirements of WorldSkills International by the Official Insurer, VSK CJSC.

3.8. CLIENT-ORIENTED APPROACH

Planning of the preparation and staging of WSC2019 is based on the client-oriented approach, which consists of determination of the level and parameters of the provision of services, proceeding from the client groups' expectations and WSI requirements (WSI Competition Rules and Organizing Guides). Depending on the role at WSC2019, clients are grouped into client systems for planning and category management, and into client groups on the basis of the services they are provided with.

The main categories of clients: Member Delegates, Future Skills Delegates, WorldSkills Juniors Delegates, WSI Representatives, Partners and Licensing, Media, Observers, WorldSkills Conference and Ministers Summit, Exhibitors, Organizers representatives, Competition Organizer personnel, Volunteers, Contractors, General audience. Detailed information about clients, their expected numbers and the people responsible is available in the WSC2019 Client Groups Matrix.

The Client Groups Matrix served as a basis when forming a budget, an accreditation matrix with access level, and participant packs with a list of available services for each client group.

3.9. RISK MANAGEMENT

The Risk Management process serves as a tool supporting operational activities of the Competition Organizer.

The risk management strategy covered four periods:

- period of preparation for the Competition, including operational planning,
- period of testing operational readiness,
- Competition operational period,
- post-Competition, up to the fulfilment of the Competition Organizer's obligations.

To ensure appropriate measures to prevent potential risks, a matrix was developed containing information on WSC2019 821 risks (405 project and 416 operational ones) and their characteristics, as well as a description of the planned methods of responding to risks and control procedures.

3.10. TESTING OF OPERATIONAL READINESS

As part of the measures undertaken to test operational readiness (TOR), the TOR Regulations were developed, including a plan of measures to ensure the operational readiness of the Competition management bodies (seminars, trainings, exercises, rehearsals) created as part of executing the order issued by the Government of the Russian Federation and the Cabinet of Ministers of the Republic of Tatarstan to consolidate interdepartmental operational readiness measures aimed at achieving the total operational readiness of the 4 main elements:

processes, staff, infrastructure and management system.

In 2018, the TOR goals were defined as follows:

- to check the performance of operational processes and the Competition Management System before the beginning of the operational period;
- to establish positive interaction between the participants of the system, make contacts;
- to provide unified understanding of regular processes, key policies and procedures, Management System;
- to get practical experience which is close to the real one without operational and reputation risks for the organizers;
- to minimize the risks associated with inconsistency of plans and actions of staff, unavailability for operation in contingency situations;
- to improve quality and promptness of response to contingency situations.

From January to March 2019, response plans were developed (20 interdepartmental ones and 52 within the area of responsibility of the Directorate for Sports and Social Projects) to address incidents during the operational period for further testing, learning lessons and adjusting processes and documents.

In the formed plan of test events, the main and most significant one was the 7th WorldSkills National Competition Final held in Kazan in May 2019.

3.11. COMPETITION MANAGEMENT SYSTEM

The management system for the delivery of the Competition was formed following the analysis of the world's best practices and the experience of the Directorate in developing and implementing such a system during the 27th Summer Universiade 2013 in Kazan, 16th FINA World Championships 2015 in Kazan, 22nd Olympic Winter Games 2014 in Sochi and 11th Paralympic Winter Games 2014 in Sochi, "EXPO-2017" International Specialized Exhibition in Astana, FIFA Confederations Cup 2017, and FIFA World Cup 2018.

The Guidelines on the management system during the operational period are developed. This outlines the structure and purposes of the managing bodies, which are divided into three levels depending on authority, complexity and scale of the issues resolved. These levels are strategic, co-ordinating and operational.

The Competition Management System's core three functions include:

1. Coordination and Management (Command)
2. Control and Monitoring (Control)
3. Communications

The formation of the management system for the Competition implied a phased transformation and establishment of governing bodies for the Competition

preparation, as well as the creation of separate governing bodies for the Operational Period.

The Main Operations Centre (MOC) was the central element of the Management System (that operated 8-31 August 2019), possessed the most complete and reliable information about the Competition progress and was a physical and communication platform that functioned during the operational period around the clock in the Main International Centre and ensured development and implementation of the agreed decisions. In addition, MOC coordinated interactions with WSI.

MOC was composed of the leadership of the ANO "Directorate for Sports and Social Projects" and the "Young Professionals (WorldSkills Russia)" Union as well as the leaders of the functional areas (FA). The tasks of the FA managers in MOC implied coordination of FA activities, incidents resolution, forecasting of issues, trends and adjustment of operational activities. The leaders of all the FAs attended daily MOC meetings, in person or remotely, using video conferencing.

Representatives of the operational headquarters, law enforcement agencies, republican ministries of health, transport and roads, Rospotrebnadzor, Network Company, Media Working Group authorized to make decisions were delegated to interact with management bodies on the federal and republican level, and also to resolve incidents, to the Main Operations Centre for the Competition period. The WSI project managers took part in the MOC operations of, which made it possible to quickly resolve emerging issues and respond to the incidents.

The following was fulfilled within MOC:

- management, control and coordination of the operational activity;
- round-the-clock monitoring of the event progress;
- quick decision-making on non-standard situations related to the coordination management level (via an automated information system);
- collection and analysis of information on the event progress;
- daily reporting and quick informing of other management bodies.

The Main Operations Centre was equipped with a video wall, which is necessary for displaying video images from the Competition venues and city streets, information about the daily schedule and events, current statistics on incidents and a list of current incidents. Interaction with venues was carried out by means of video conferencing and radio communication.

Every day before 01:00, a report on the progress of the Competition was formed over the past day. A total of 30 reports were prepared, including one summary report.

The management system was tested as part of the 7th National Competition Final and was positively evaluated.

3.12. INCIDENTS MANAGEMENT

There were 20 interdepartmental and 52 internal contingency response plans developed and approved, such as:

- closing of the Kazan/Moscow airports during the period of mass arrival of client groups;
- delay, postponement, or cancellation of the Opening/Closing Ceremony;
- significant damage to the venue due to natural or man-made causes.

They define an algorithm for actions in cases of potentially critical non-standard situations.

To manage the incidents, the IMS Automated Information System was used, which allowed users to enter information about non-standard situations, including from mobile devices, and track the progress of incident resolution. In total, 165 incidents were recorded in the IMS system, divided by significance and decision-making levels: 8 – orange level, 49 – yellow, 108 – green.

Incidents management was coordinated from the Main Operations Centre in collaboration with the venues management centres.

3.13. KNOWLEDGE MANAGEMENT

The Directorate accumulates and consolidates information on the results of completed projects, on the basis of which the best practices and techniques are formed. This allows conducting follow-up activities and implementing projects with greater efficiency. To systematize the accumulated information, the Directorate operates a Knowledge Base information system.

In order to transfer knowledge and experience of organizing and staging the Competition, the concept of the "WSC2019 Observer" programme was developed, which is meant to assist the organizers of future WorldSkills and EuroSkills Competitions.

The programme included the following activities:

- tours to the venues – tours aimed at detailed study of the venue functioning: zoning, provided services, management structure, and so on;
- meetings with the functional areas representatives – presentation of functional area activities;
- independent visits – study of the activity areas of interest;
- operational visits aimed at the study of working processes during the Competition and awareness of the tasks of functional areas.

Knowledge was also transferred to the Competition Organizer of the 46th WorldSkills Competition, WorldSkills Shanghai 2021 as part of the Evaluation Debriefing, which took place in Shanghai in November 2019.

4. PROMOTION AND MARKETING

4.1. INFORMATION PROMOTION

COMMUNICATIONS

The main WSC2019 information sites were:

- official website (www.worldskills2019.com, www.worldskillskazan2019.com);
- official social networks accounts (VKontakte, Facebook, Twitter, Instagram, Flickr).

OFFICIAL WEBSITE

The official website was launched three years prior to the event in August 2016. The website content is available in three languages: Russian, English, Tatar. The official website contains the following:

- sections about WSC2019 (descriptions of skills, organizers, partners, ambassadors, competitors, results, etc.);
- sections about the venue (host country, republic and host city);
- sections with information for client groups (visitors, competitors, exhibitors, media, etc.);
- sections on the WSC2019 projects (Flag Relay, Future Skills, WorldSkills Juniors, One School One Country, Conference Programme, Cultural Programme, etc.);
- media materials (photos, videos, news materials, materials for downloading).

The main page of the website was updated in accordance with the stages of preparation for the Competition ("Before the Competition", "During the Competition", and "After the Competition"). To popularize WSC2019 and increase the awareness of Internet users, games and activities dedicated to the upcoming event were developed and launched: Postcard Designer, Photo Booth, WorldSkills Puzzle, and WorldSkills Map. The games were promoted, among other things, using targeted advertising in social networks.

In addition, the website was synchronized with the official mobile application, WorldSkills Kazan 2019, and integrated with the WorldSkills International web services for pages with descriptions of skills and the "Competitors" and "Results" sections. The website also broadcasted the Opening and Closing Ceremonies.

The information about the website was distributed through press releases, posts, and targeted advertising in social networks.

Upon the completion of WSC2019, the website content was updated and translated into the past tense, and the website was archived. Since the launch of the website in August 2016, the number of its users has reached about 860,000, and the number of views has exceeded 3,689,000.

On 14-31 August 2019, 372,466 users of the official website were registered, and the number of views reached 1,752,089.

The most visited pages and sections: "Skills", "Volunteers", "Results", "About the Competition", "Tickets", "Opening Ceremony Broadcast", "Visitor Information", "Closing Ceremony Broadcast", "Kazan Expo", "Broadcasts Schedule", "Competition Programme", "How to Get to Kazan Expo".

Geography: Russia, Switzerland, India, Brazil, Germany, USA, Japan, France, Austria, United Kingdom.

OFFICIAL ACCOUNTS IN SOCIAL MEDIA

The total audience coverage in social media on 8-30 August 2019 amounted to 641 million people.

The audience coverage in official accounts:

Instagram

Instagram coverage 1,908,218 users

Instagram views 6,838,849

Number of subscribers as of 29 August: 29,369

Facebook

Facebook coverage 3,671,330 users

Facebook views 4,749,165

Number of s

ubscribers as of 29 August: 12,621

VK

VK coverage 2,032,617 users

VK views 2,238,676

Number of subscribers as of 29 August: 14,263

Twitter

Twitter views 276,449

Number of subscribers as of 29 August: 2,269

As part of partnership with VK, a live broadcast of the Opening and Closing Ceremonies were organized in the official WorldSkills Kazan 2019 group.

Opening Ceremony broadcast in VK

VK coverage 776,722 users

VK views 1,022,775

Closing Ceremony broadcast in VK

VK coverage 23,606 users

VK views 838,629

Mentions in social networks and blogs amounted to 81,734 times (monitoring was carried out in the Russian and English-language information field), including 1,669 positive ones, 79,785 neutral ones and 280 negative ones.

During the operational period, 45 news items and press releases about the event were issued. According to the media monitoring during the operational period, 9,373 messages were recorded in the domestic media, including:

- 1,188 positive ones,
- 8,174 neutral ones,
- 10 negative ones.

As part of the planned press activities, two press tours were arranged for the representatives of foreign and federal media. The press tour for foreign media

representatives was scheduled to coincide with 100 days to the Competition kick-off and the finals of the National WorldSkills Competition. The press tour had 14 representatives of 9 foreign media take part (First National TV Channel of Belarus, Second National TV Channel of Belarus, Phoenix TV (China), Hispan TV (Spain), Press TV (Iran), Turkish Radio and TV TRT, ATV and Anadolu News Agency (Turkey), Prensa Latina Agency from Cuba).

A month before the start was marked by two media events: a press conference at the TASS information agency in Moscow and a press tour of the federal media in Kazan. Twenty - five representatives of federal media took part in the press tour: MIR broadcasting company, IA TASS, Izvestia IIC, NTV, Rossiyskaya Gazeta, Argumenty i Fakty, Channel One, TC Rossiya, Trud, RIA Novosti.

The highest media attention was observed during the Opening and Closing Ceremonies.

During the Competition, "Young Professionals (WorldSkills Russia)" Union organized two press tours for representatives of foreign and federal media. The participants of the press tour for foreign media (Media pool B) were 15 representatives of 12 press and television channels such as Belgazeta and Belta from Belarus, Cinema Vision India from India, Hispan TV from Iran, SputnikNews from Kazakhstan, Kabar News from Kyrgyzstan, Politika from Serbia, Moniame from Mongolia, Medias24.com from Morocco, Xabar news from Uzbekistan, Azertage News from Azerbaijan and SputnikNews from Moldova. The press tour for representatives of federal media included journalists from such press as RIA Novosti, TASS, Rossiyskaya Gazeta, Komsomolskaya Pravda, Nezavisimaya Gazeta, Uchitelskaya Gazeta, Kommersant, Lenta.ru, Gazeta.ru, HiTech +, Mel.fm, Moscow Pravda, RIA FAN, "Russian Education", Izvestia MIC, Rossiya 24, Ren TV, MIR 24, "Zvezda", Channel Five, as well as Rusbase, Cnews, Mail Cloud Solution, Indicator.ru, Stroitel'naya Gazeta, portals - Construction.ru, Fixed Assets, Engineering Portal, magazines - "Dumai (Think)", "CTT", "Kolesa.ru", "Promyshlennyi Vestnik (Industrial Herald), bloggers - Dmitry Puchkov ("Goblin") and Yulia Baranovskaya.

Within the framework of the planned media events, the WSI media activity plan was developed and approved, which was consisted of press briefings, press conferences, press scrums, presentations at the stands of the WSC2019 partners, activity with the WSC2019 ambassadors and volunteers, i.e. a total of 44 events, including 11 press conferences with the representatives of the Government of the Russian Federation, Republic of Tatarstan, WorldSkills International, WorldSkills Russia, and partners.

There were 104 media requests for interviews with officials of WorldSkills International, WorldSkills Russia, Directorate for Sports and Social Projects. Twelve media reports were prepared for the media in Russian and English, full information was provided about WSC2019, Conference Programme, cultural programme, the national team and delegations from other countries along with activities initiated by partner companies.

In the course of implementing the Competition photo

and video support 15-27 August 2019, 59 videos of various thematic focus were filmed and edited, and they were posted on accounts and YouTube WorldSkills International, WorldSkills Kazan 2019 channels.

COMPETITION MOBILE APPLICATION

On 15 July 2019, the official WorldSkills Kazan 2019 mobile application, primarily visitor-oriented, was launched. The app was available for free download on the App Store and Google Play. It contained a detailed map of the Kazan Expo IEC with the descriptions of the skills zones, exhibition areas, services and a filter function; a section was developed with a detailed description of how to get to the Kazan Expo IEC by different means of transport. Such mobile application sections as "News" and "Schedule" were successfully integrated with the Competition website; "Participants", "Countries and Skills", "Results" - with the WorldSkills International web services. This approach was the best solution for developing a mobile application: it allowed reducing works for filling content in these sections since the information there was displayed automatically.

The sections of the mobile application were regularly updated and modernized; in accordance with incoming requests, changes were made to the design and functionality of the mobile application. As part of the service, 14 updates of the mobile application based on iOS and 23 updates on Android were completed.

To receive feedback, mobile application launched a questionnaire, with a set of questions on the services provided to visitors at the venue. The answers received helped to collect statistics on visitors and evaluate the quality of the services provided.

The information about the mobile application was distributed through press releases, posts and targeted advertising in social networks.

The total number of downloads is 16,618, including:

- Android - 9,810,
- IOS - 6,808.

Application rating:

- Android - 4.1 out of 5,
- IOS - 4.6 out of 5.

4.2. BRANDBOOK, MASCOTS, AND MARKS

The first version of the Competition Handbook was developed in 2016. It contained the rules for using the WSC2019 brand and marks. In 2017 the brand book was substantially altered, in 2019 the logo was updated in line with the WSI logo.

LOGO

The central graphical element of the WSC2019 logo is the hand, which represents five intense lines symbolizing the youth of all nations, reaching for new skills. Below is the name of the host city and the year of the event.



STYLE-FORMING ELEMENT

The central style-forming element is a Tulip, a common element of the Tatar ornament symbolizing the revival.

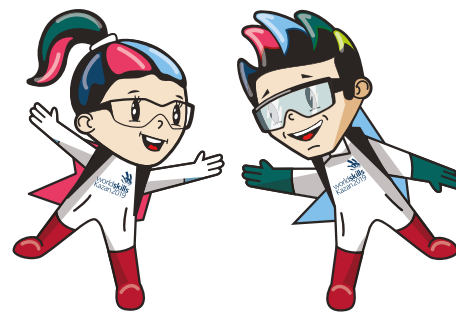


SLOGAN

The WSC2019 slogan is "Skills for the Future". It is not only a component of the advertising campaign but also the official hashtag of the Competition #будущеевтвоихруках (#skillsforthe future).

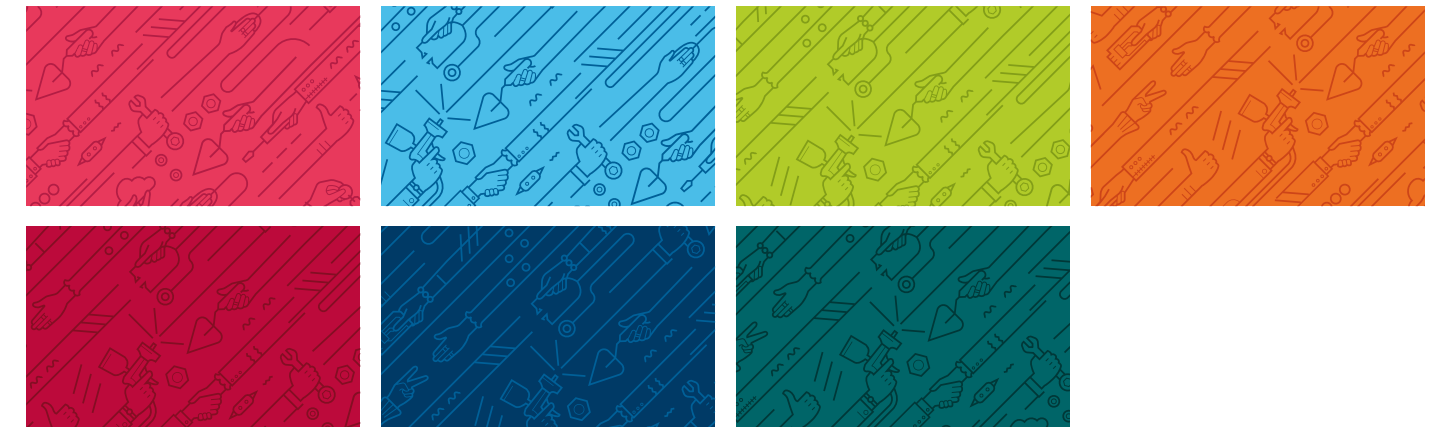
**SKILLS FOR THE FUTURE
БУДУЩЕЕ В ТВОИХ РУКАХ**

The Competition MASCOTS were selected upon the results of the all-Russian contest. These are a boy Almaz and girl Altyn – two young professionals that, according to the legend, are succeeding in all fields of science, technology, and art and have all the required skills to achieve great results. The mascots were registered with the Federal Service for Intellectual Property (Rosreestr) and used in the implementation of the Competition licensing programme.



Official presentation of the Competition mascots was held in 2017 at the 5th "Young Professionals" WorldSkills Russia National Competition in Krasnodar.

In 2019, the brandbook was extended with an appendix with additional opportunities for using mascots, added the "hands" pattern and the conditions for its use. The idea of the "hands" pattern correlates with the Competition general promotion concept – hand is a visual reflection of professional excellence. In addition, they assigned colours to six blocks of skills, Future Skills, and Try-a-Skill sites, and developed pictograms to indicate skills. This was necessary to create a concept to dress the venues, as well as souvenir and licensed products.



4.3. ADVERTISEMENT AND PR PROJECTS

Federal advertising was carried out from 1 June to 1 September 2019 in the largest cities of Russia:

- outdoor advertising in Moscow, St Petersburg, Yekaterinburg, Novokuznetsk (billboards, city-formats - 190 surfaces. OTS (Opportunity to See) – 118,000,000);
- periodic demonstration of video materials in federal broadcasting - (Channel One, Russia-1, Russia-24, STS, STS-LOVE, 2X2, SUPER. OTS – 53,000,000);
- periodic demonstration of video materials at cinema screenings in the following cinemas in the country: Karo, Cinema Star, Kinomax, Formula Kino, Mirage Cinema, Pyat Zvezd (Five Stars), Cinema Park (Moscow, St Petersburg, Kazan, Yekaterinburg, Novosibirsk, Nizhny Novgorod, Rostov-on-Don, Veliky Novgorod, Novokuznetsk);
- periodic demonstration of video materials at the Sheremetyevo Airport, terminal B, 30 multi-format screens (OTS-30,000,000);
- periodic demonstration of video materials on 252 aircrafts of Aeroflot Airlines in 137 destinations;
- placement of an advertising in the July edition of the on-board magazine of Aeroflot Airlines;
- announcements about the WorldSkills Competition at domestic flights.

The commercial advertising campaign included placing advertisements on the “Kazan Poster” structures (10 surfaces with a changeable address programme – 30 addresses), advertising on 89 static surfaces in Kazan (18 static billboards, 57 digital billboards, 2 digital superboards, 4 city format ones, 8 pillars), advertising on large-format media facades in the central city streets, advertising on the

media facade of the Kazan Arena stadium, advertising in public transport in Kazan.

A 20-second commercial was broadcast by the following radio stations:

- Europe plus (placement period: 1-7 August 2019, 16-23 August 2019, 105 runs, integration into the radio station programme),
- Millennium (placement period: 27-31 July 2019, 35 runs, integration into the radio station programme),
- Energy (placement period: 8-15 August 2019, 56 runs),
- Silver Rain (Serebryany Dozhd) (placement period: 1-7 August 2019, 49 runs).

A 15-second commercial was broadcast by the following TV channels:

- Russia 24 (placement period: 1-7 August 2019, 49 runs),
- Friday (placement period: 8-15 August 2019, 56 runs).

The posters of the Competition and Ceremonies, Internet advertising, targeted advertising in social networks and in the Yandex and Google search engines were also in place. The coverage is more than 300,000 people. It involved seven commercial surfaces in the territory of the Kazan International Airport.

A social advertising campaign was implemented (on free resources):

- 3 x 6m billboards in Kazan in the quantity of 30 sides from 20 July 2019,
- advertising structures in the regions of the Republic of Tatarstan (39 surfaces),
- social film runs in Tatarstano.

From 17 July 2019, the broadcasting of videos before social film runs in the Republic of Tatarstan was launched:

Cheremshan, Leninogorsk, Yutaza, Aznakaevo, Bugulma, Elabuga, Sarmanovo, Zainsk, Menzelinsk, Novosheshminsk, Kukmor, Urussu, Bugulma, Laishevo, Pestretsy.

In Kazan, the video was broadcast at the Mir cinema and on the embankment of the Kaban Lake.

On 17 July 2019, broadcasting of the WSC2019 commercials was launched at the representative offices of the Tourist Information Centre (TIC) in Kazan.

An advertising page was placed in the TIC thematic booklets, with the circulation of 30 thousand copies. The booklets were distributed at the airport, railway stations, hotels, tourist centres of Kazan. The announcement was published on the official website visit-tatarstan.com and in the Visit Tatarstan social networks.

On 15 July 2019, the countdown until WSC2019 was launched on the official website of the Kazan City Hall. The format was a banner with an active link.

The announcements of events were posted in social media of “Young Professionals (WorldSkills Russia)” Union and on the website worldskills.ru, website of the Ministry of Youth of the Republic of Tatarstan, on the website of the Ministry of Culture of the Republic of Tatarstan, on the city portals: www.gorodskoyportal.ru, www.prokazan.ru, www.vibirai.ru, www.kidsafisha.com. Advertising was placed in the Kazan Aeroexpress (stickers and posters in cars), and ticket offices were branded.

Large scale SKILLS BAZAAR promotional projects were implemented leading up to the Competition. They received enormous coverage in the republican and federal mass media, in the social media of the Competitors and events guests, with many positive reviews.

16 September 2018, the Skills Bazaar Celebration of Excellence was held in the Gorkinsko-Ometeyevsky Les

under the auspices of the A Year to Go to Competition. Skills Bazaar gathered more than 12,000 spectators, 2,500 of which took part in various master classes.

Classes were held in 17 workshops. Visitors to the park could choose any activity and discover completely new areas of activity: master classes from stylists and makeup artists, training in the art of photography, tuning workshop, radio-controlled cars.

On the occasion of “100 days to Go to the Competition” and on the eve of the WorldSkills Russia National Competition Final on 19 May 2019, the Skills Bazaar 2019 project was implemented in the Gorky Park. The event was attended by 7,000 people, and more than 4,500 people took part directly in the workshops.

The event hosted over 100 workshops and 20 points with activities.

Integration of the WSC2019 brand into citywide events:

- thematic activities on the main Maidan of Sabantuy in Kazan on 23 July 2019,
- food festival on the Kremlin Embankment, 2-4 August 2019,
- “Kazan Fanfares” international festival of brass bands in the Gorkinsko-Ometeyevsky Les and in the Kazan Kremlin 8-10 August 2019,
- “Give birth, Kazan!” festival in the Gorky Central Park of Culture and Leisure, 10 August 2019,
- festival of self-employed, 10-11 August 2019,
- “Raise the Russian Flag” event on the Kremlin embankment, 22 August 2019,
- a picnic on the Kremlin embankment, 24 August 2019,
- a water lantern party on the Kremlin embankment, 25 August 2019.

The events were supported by Gyproc (a division of Saint-Gobain) and Coca-Cola.



4.4. AMBASSADORS

The status of “WorldSkills Kazan 2019 Ambassador” was bestowed upon well-known Russian media personalities:

- Arkady Novikov
- Vladimir Melnik
- Sergey Krikalev
- Nina Tarasova
- Alisa Tulykina
- Tatyana Pokrovskaya
- Konstantin Ivlev
- Alexander Gudkov
- Levan Goroziya
- Vladimir Chagin



Arkady Novikov,
Chef, restaurateur, TV presenter, and businessman



Tatyana Pokrovskaya,
Soviet and Russian artistic swimming coach



Konstantin Ivlev,
Russian chef



Vladimir Melnik,
Russian miner, Hero of Labour of the Russian Federation



Sergey Krikalev,
Cosmonaut, aviation athlete



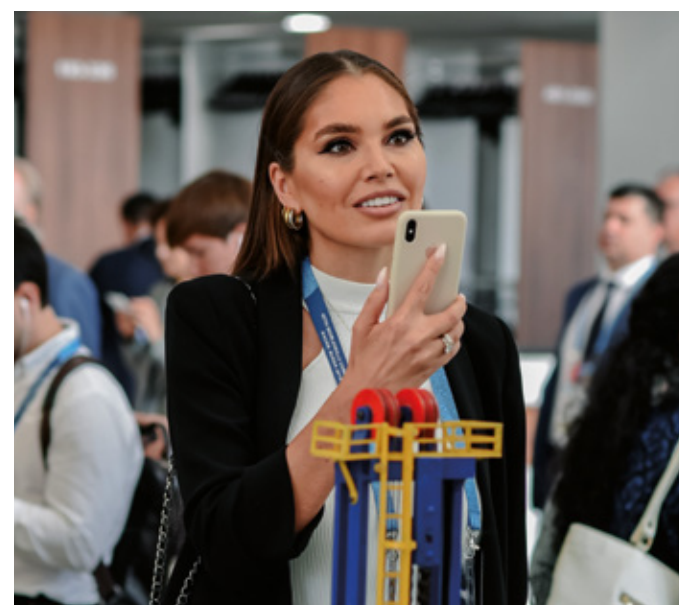
Alexander Gudkov,
Russian TV host, actor, showman and scriptwriter



Levan Goroziya,
Russian rapper



Nina Tarasova,
Confectionery artist



Alisa Tulykina,
Professional makeup artist



Vladimir Chagin,
Russian rally raid driver (truck class)

At the ceremony of conferring the Ambassador status with the participation of official representatives of the organizing committee and the government, credentials and relevant attributes were awarded. The mission of the Ambassadors was to promote the WSC2019 brand and WorldSkills movement, participate in events sponsored by the Competition.

The WorldSkills Kazan 2019 Ambassadors programme was implemented and received wide coverage and a large audience reach. The programme not only promoted the WSC2019 brand but also popularized the WorldSkills movement at the federal level.

4.5. EXHIBITION AND PRESENTATION ACTIVITY

In order to promote the Competition, an extensive exhibition and presentation activity was organized as part of the largest professional skills competitions, professional, economic, business, educational exhibitions, forums, and conferences in Russia and abroad.

WorldSkills Kazan 2019 was presented at the following events:

- EuroSkills Gothenburg 2016 (Sweden),
- WorldSkills General Assembly 2016 in Niagara Falls (Canada),
- WorldSkills Abu Dhabi 2017 (United Arab Emirates),
- Specialized Advertising 2017 exhibition in Moscow,
- 19th World Festival of Youth and Students 2017 in Sochi,
- Specialized TechnoForum 2017 exhibition in Moscow,
- WorldSkills Hi-Tech National Competition 2017 in Yekaterinburg,
- Petersburg International Economic Forum (PIEF) 2017,
- Conference of Ministers and Senior Officials Responsible for Physical Education and Sport (MINEPS) held in 2017 in Kazan,
- International specialized EXPO-2017 (Energy of the Future) exhibition 2017 in Astana (Kazakhstan),
- 9th International Economic Summit - Kazan Summit 2017 in Kazan,
- Federal "Russia Aiming for the Future" 2017 exhibition in Moscow,
- 14th Forum of Interregional Cooperation between Russia and Kazakhstan 2017 in Moscow,
- Annual Investment Forum 2017 in Dubai (UAE),
- International "Education without Borders-2017" Congress and Exhibition in Moscow,
- WorldSkills National Interuniversity Competition 2017 in Moscow,
- 5th "Young Professionals" National Competition Final 2017 in Krasnodar,
- International Exhibition "Modern Bakery Moscow" 2017 in Kazan,
- "Dikaya Myata (Wild Mint) 2017" Festival in Tula region,
- Alfa Future People Festival 2017 in Nizhegorodskaya region,
- "BATIMAT Russia 2018" International Construction and Interior Exhibition in the Crocus Expo IEC in Krasnogorsk,
- WorldSkills General Assembly 2018 in Amsterdam (Netherlands),

- "Young Professionals (WorldSkills Russia)" exhibition in 2018 in the State Duma of the Russian Federation,
- 2018 Annual Investment Forum in Dubai (UAE),
- International Conference on the Development of Higher Education and Talent Support in Kazan in 2018,
- International "Hannover Messe" exhibition of industrial technologies in Hannover (Germany) in 2018,
- 10th International Economic Summit - Kazan Summit 2018 in Kazan,
- Petersburg International Economic Forum (PIEF) 2018,
- 6th "Young Professionals" (WorldSkills Russia) National Competition Final in Yuzhno-Sakhalinsk in 2018,
- EuroSkills Budapest 2018 (Hungary),
- International Forum of Volunteers 2018 in Moscow,
- Annual Investment Forum 2019 in Dubai (UAE),
- 11th International ATOMEXPO-2019 Forum in Sochi,
- 7th "Young Professionals" (WorldSkills Russia) National Competition Final in Kazan in 2019,
- INNOPROM International Industrial Exhibition in Yekaterinburg in 2019.

This work contributed to the popularization of the Competition, formation of a positive information background around the preparations for it, an increase in the audience, shaping a loyal attitude of potential partners and sponsors to the project, as well as the promotion of the values and ideals of the WorldSkills movement, and increase in the prestige of skilled professions.



4.6. LICENSING AND MERCHANDISING

The following two projects were implemented: "Organization of Licensed Products Sales" and "Provision with Souvenir Products", the purpose of which is the organization of a licensed programme that includes the sale of souvenir licensed products with the WSC2019 logo, as well as creation of a positive image of the event, legacy elements, and preservation of positive emotions.

Client groups were provided with event-branded souvenir products (Member Delegates, Future Skills Delegates, WorldSkills Juniors Delegates, WorldSkills International Representatives, Partners, Media, Observers, WorldSkills Conference and Ministers Summit, Volunteers, VIP-guests, Organized visitors). The sale of licensed products was arranged.

Seventeen licensees were involved to implement the license programme. More than 150 items of official licensed products were sold in 11 official brand shops and online.



5. COMPETITION

5.1. SKILLS

56 OFFICIAL SKILLS

Construction and Building Technology

- Architectural Stonemasonry
- Bricklaying
- Cabinetmaking
- Carpentry
- Concrete Construction Work
- Electrical Installations
- Joinery
- Landscape Gardening
- Painting and Decorating
- Plastering and Drywall Systems
- Plumbing and Heating
- Refrigeration and Air Conditioning
- Wall and Floor Tiling

Creative Arts and Fashion

- 3D Digital Game Art
- Fashion Technology
- Floristry
- Graphic Design Technology
- Jewellery
- Visual Merchandising

Information and Communication Technology

- Cloud Computing
- Cyber Security
- Information Network Cabling
- IT Network Systems Administration
- IT Software Solutions for Business
- Print Media Technology
- Web Technologies

Manufacturing and Engineering Technology

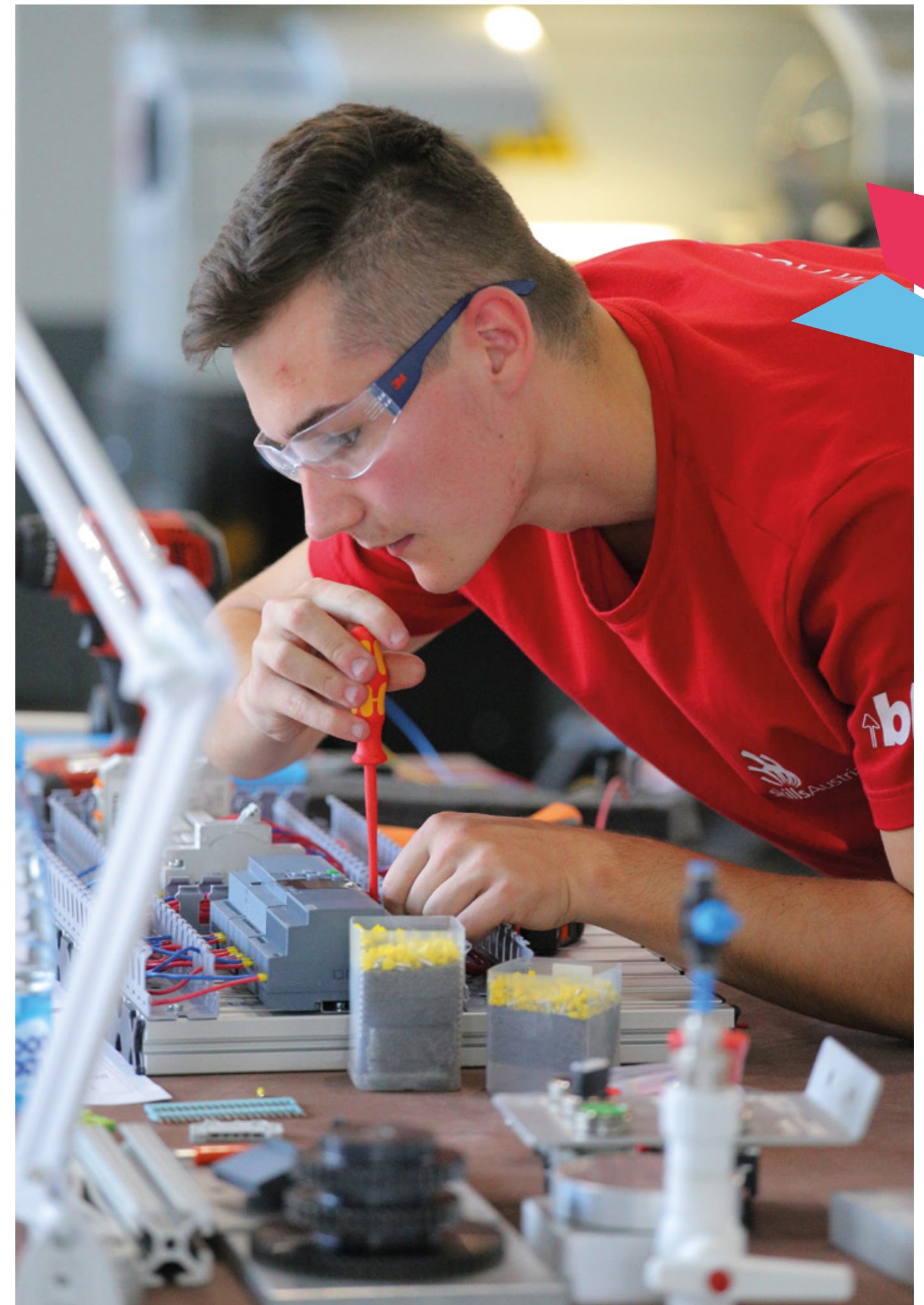
- Chemical Laboratory Technology
- CNC Milling
- CNC Turning
- Construction Metal Work
- Electronics
- Industrial Control
- Industrial Mechanic Millwright
- Manufacturing Team Challenge
- Mechanical Engineering CAD
- Mechatronics
- Mobile Robotics
- Plastic Die Engineering
- Polymechanics and Automation
- Prototype Modelling
- Water Technology
- Welding

Social and Personal Services

- Bakery
- Beauty Therapy
- Cooking
- Hairdressing
- Health and Social Care
- Hotel Reception
- Pâtisserie and Confectionery
- Restaurant Service

Transportation and Logistics

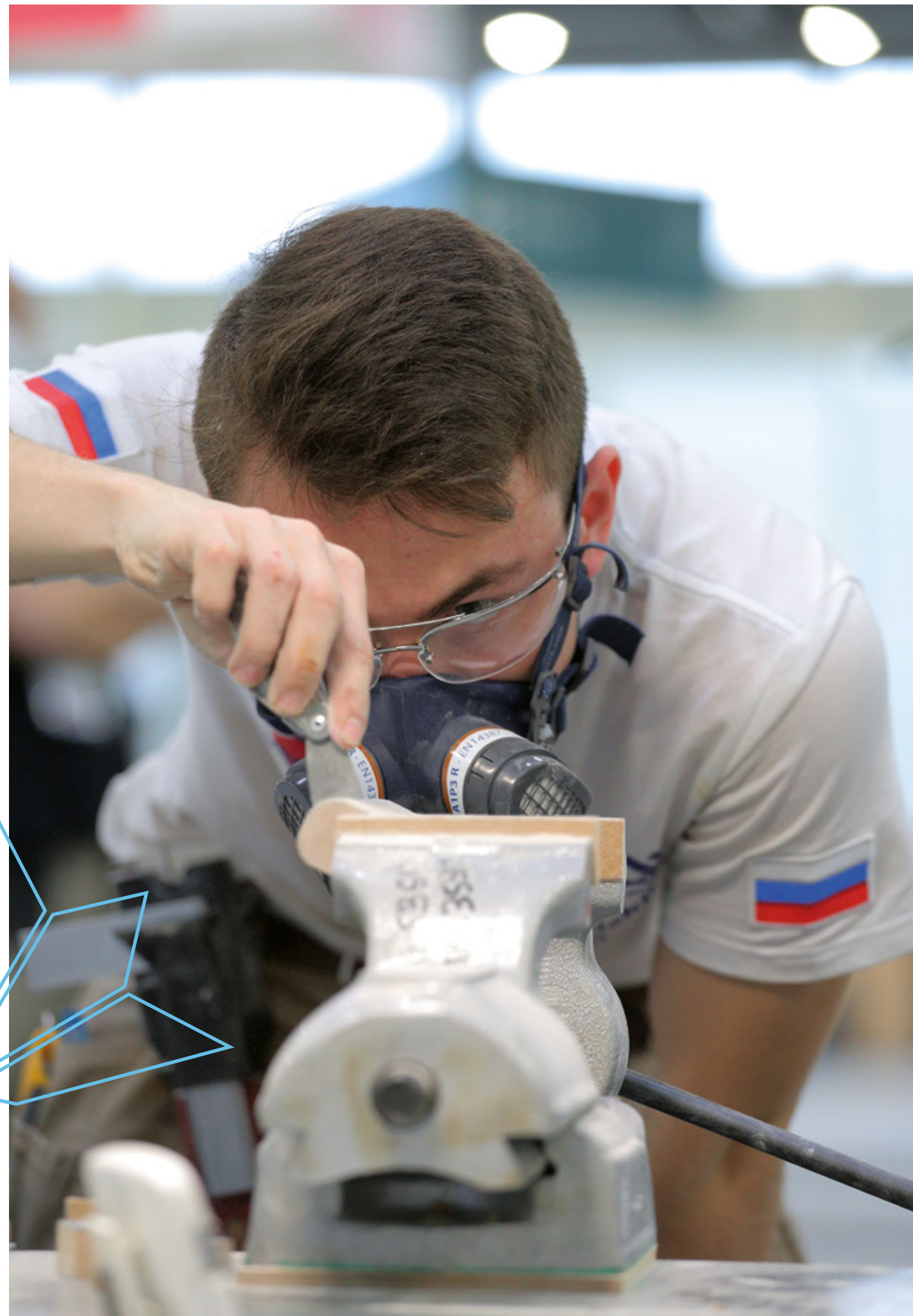
- Aircraft Maintenance
- Autobody Repair
- Automobile Technology
- Car Painting
- Freight Forwarding
- Heavy Vehicle Technology







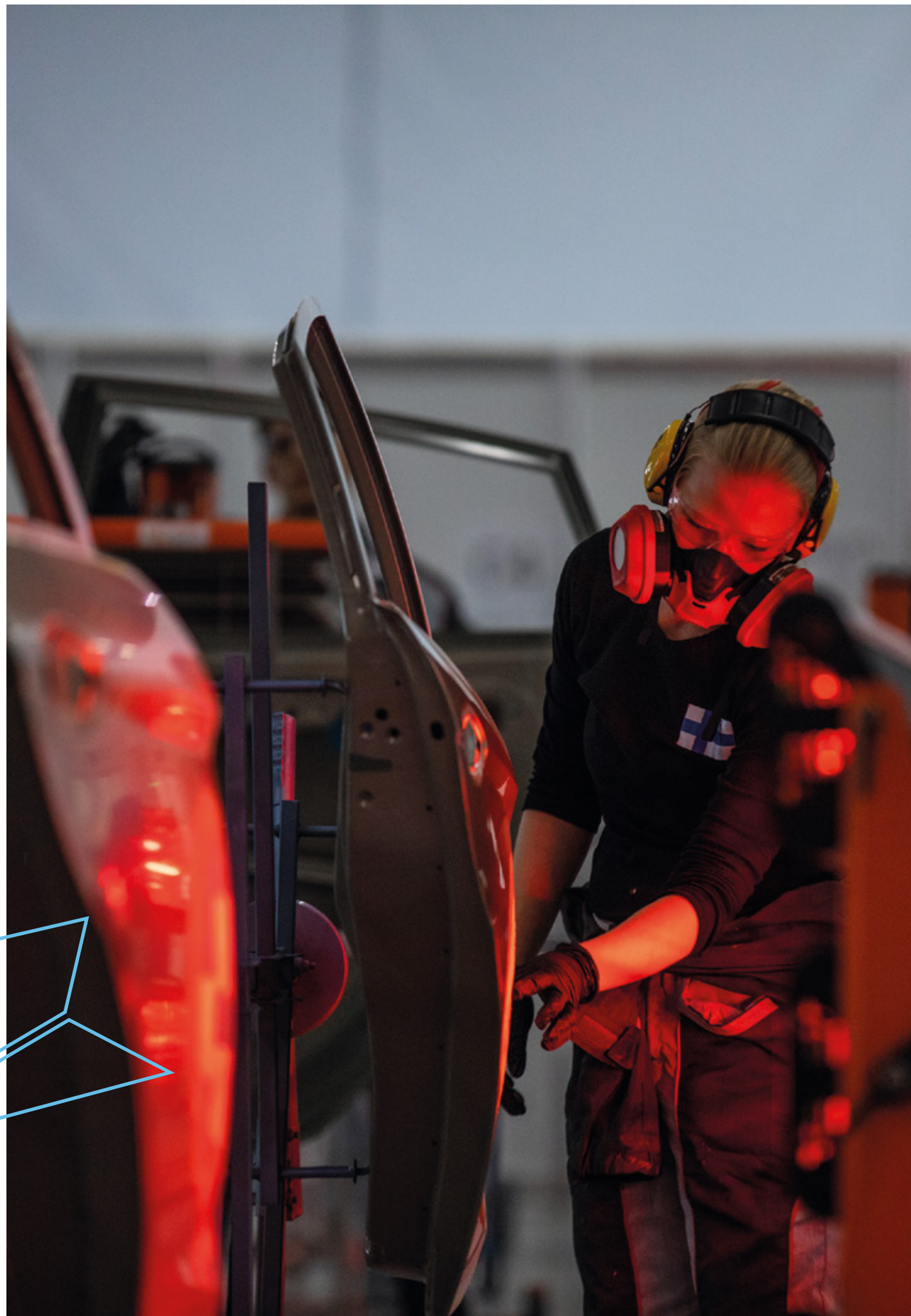












5.2. PARTICIPATING MEMBER COUNTRIES AND REGIONS

OFFICIAL COMPETITION

- 68 Member countries and regions attended,
- 63 Member countries and regions competed.



5.3. COMPETITORS, EXPERTS

WSC2019 was a record one not only in terms of the number of competing Member countries and regions, but also the number of Competitors and Experts.

OFFICIAL SKILLS

- 1,354 Competitors,
- 1,304 Experts.

5.4. SUSTAINABLE PRACTICE AWARD

The WorldSkills Sustainable Practice Award was presented in six skills – Beauty Therapy, Car Painting, Industrial Mechanics Millwright, Pâtisserie and Confectionery, Plumbing and Heating, and Water Technology.

The Sustainable Practice Award project is aimed at promoting the principles of sustainable development in various professions. Competitors performed test tasks in the most effective way in terms of materials, water, and energy use.

The award is a part of a complex approach that is meant to increase awareness of sustainable development in the areas of materials used, health and safety, education, increase of competitiveness, waste reduction, and environmental respect. Choosing the right materials, reusing them, and reducing waste can combine environmental responsibility and economic success, making an important contribution to the present and future of humanity.

5.5. OFFICIAL RESULTS

MEMBER RESULTS COMPARISON BY TOTAL MEDAL POINTS

| Position | Member | Total Medal Points | Num Teams / Competitors | Gold | Silver | Bronze | Medallion for Excellence |
|----------|--------|--------------------|-------------------------|------|--------|--------|--------------------------|
| 1 | China | 133.00 | 56 | 16 | 14 | 5 | 17 |
| 2 | Russia | 101.00 | 56 | 14 | 4 | 4 | 25 |
| 3 | Korea | 76.00 | 47 | 7 | 6 | 2 | 26 |

REVIEW THE FULL RESULTS IN APPENDIX 1







6. SPECIAL PROGRAMMES

6.1. WORLDSKILLS INTERNATIONAL VISITS

In March 2015, President of WorldSkills, Simon Bartley and Vice President for Technical Affairs, Stefan Praschl visited Kazan with an inspection visit, where they acquainted themselves with the city infrastructure and took part in the Kazan Expo IEC stone-laying ceremony on 25 March. Since 2016, 11 project sessions have been held with the participation of the WSI Secretariat, led by CEO of WorldSkills International, David Hoey and his colleagues from the Young Professionals (WorldSkills Russia) Union:

- 1 project session in March 2016,
- 2 project sessions in 2017 (August, December),
- 5 project sessions in 2018 (March, April, July, September, November),
- 3 project sessions in 2019 (January, March, July).

Excursions were organized to the Kazan Expo IEC, WorldSkills Village, Kazan Arena stadium – Opening and Closing Ceremonies venue, to the accommodation facilities, etc.

From 15 May to 1 June 2019, the WSI representatives visited the National WorldSkills Competition in Kazan as observers.

As part of the “Organization of the WSI Representatives’ Stay at WSC2019” project, 14 WSI offices, 11 meeting rooms, etc. equipped with furniture, IT equipment, office supplies according to the WSI requirements operated at Kazan Expo to create comfortable conditions for the WSI representatives to stay in Kazan during WSC2019.

6.2. COMPETITION PREPARATION WEEK (CPW)

In January 2019, the Competition Preparation Week (CPW) took place in Kazan.

The event was attended by 535 people from 60 WorldSkills Member countries and regions: WorldSkills Board, WSI Secretariat, Technical and Official Delegates, Experts, Workshop Managers, Skill Competition Managers, Team Leaders, Observers, representatives of the WorldSkills Shanghai 2021 Organizing Committee, Global Partners, and Event Sponsors.

The issues of preparation for WSC2019 were discussed: technical build-up of the competition site, provision of services to the client groups, preparation of test projects, implementation of partnership and sponsorship programmes, health and safety, approval of infrastructure lists, and workshop layouts.

On 22 January 2019, a plenary session took place where the Deputy Prime Minister of the Republic of Tatarstan, Minister of Education and Science of the Republic of Tatarstan, Rafis Burganov, delivered a welcoming speech on behalf of the Republic of Tatarstan.

On 23 January 2019, a tour of the hotels and the WorldSkills Village was organized.

On 24 January 2019, the CPW participants visited Kazan Expo, got acquainted with the infrastructure and services at the venue. On the same day, the opening of the countdown clock and the meeting of the organizing committee for preparation and hosting of the WorldSkills Competition 2019 in Kazan took place under the

leadership of the Deputy Prime Minister of the Russian Federation Tatyana Golikova.

On 25 January 2019, the “One School One Country” educational programme was launched to improve vocational training; and Competition lessons were held in 57 educational institutions of the Republic of Tatarstan.

From 26 to 27 January 2019, a WorldSkills Board meeting was held.

On the days of the CPW participants’ arrival and departure (21 and 26 January), sightseeing tours in Kazan were organized.





6.3. WORLDSKILLS FLAG RELAY

This was the first flag relay over the entire half a century history of WorldSkills movement. Its goal is to unite and consolidate skilled professionals around the world, and to demonstrate the importance of vocational skills to economic growth and personal success.

The project was divided into three stages: international stage, national stage, and republican and comprised a number of additional supporting initiatives.

The Flag Relay included visits to 90 cities in 21 countries and regions that previously hosted WorldSkills Competitions.

The total length of the route was 210,202 kilometres; the stay at the International Space Station lasted 112,320 minutes (78 days).

The WorldSkills Flag Relay started in 2017. The flag was festively handed over to the host city of Kazan at the WorldSkills Abu Dhabi 2017 Closing Ceremony. Then it reached Sochi where the Flag Relay project was officially launched. In December 2017, the flag was sent to the International Space Station spending almost three months before returning to Earth at the end of February 2018. Then the international stage of the Relay started in Madrid (Spain): the flag went on a trip to 20 countries and regions that hosted WorldSkills Competitions. In each city,

the patches with the logos of all previous Competitions were applied onto the flag. The Russian stage of the Relay started in August 2018, during the final of the 6th National Young Professionals (WorldSkills Russia) Competition in Yuzhno-Sakhalinsk. This stage was held as part of regional competitions in 24 subjects of the Russian Federation.

On 24 May, at the Closing Ceremony of the 7th National Competition Final, the republican stage was launched, which took place in 43 municipal districts and two urban districts on 25 May 2019 to 22 August 2019.

The Opening Ceremony of WSC2019 was the final destination of the WorldSkills Flag Relay project. Then, as part of the Closing Ceremony, a patch with the logo of the 45th WorldSkills Competition 2019 in Kazan was applied onto the WorldSkills Flag as a sign of success, and it was officially handed over to the delegation from China that will be hosting the next Competition.







6.4. ONE SCHOOL ONE COUNTRY

“One School One Country” is a WorldSkills International project implemented since 2007 as part of the WorldSkills Competitions with the purpose of cultural exchange between countries and popularization of vocational professions among adolescence and youth.

The project was implemented on 22 August 2019 within the framework of WSC2019 and attended by:

- 58 education institutions,
- 6,596 schoolchildren (11 to 16 years old),
- 1,424 representatives of the Member delegations from 63 countries and regions.
- The project was launched within the Competition Preparation Week.
- The implementation of the project consisted of several stages:
 - selection of education institutions in accordance with the foreign languages taught there and assignment of the WorldSkills Member countries and regions delegations to them,
 - getting to know the representatives of education institutions and WorldSkills Member countries and regions (during the Competition Preparation Week), visiting education institutions to familiarize themselves with them and conducting the WorldSkills Lessons,
 - a meeting of the WorldSkills Member countries and regions delegations with the representatives of education institutions assigned to the country on the day of the Opening Ceremony. During the meeting, the national teams told about their countries, got acquainted with the cultural features of the WorldSkills Competition host country, conducted interactive workshops in accordance with the list of the WSI skills. In Kazan, the event took place on 22 August 2019 from 9.00 a.m. to 12.00 p.m.



6.5. CEREMONIES

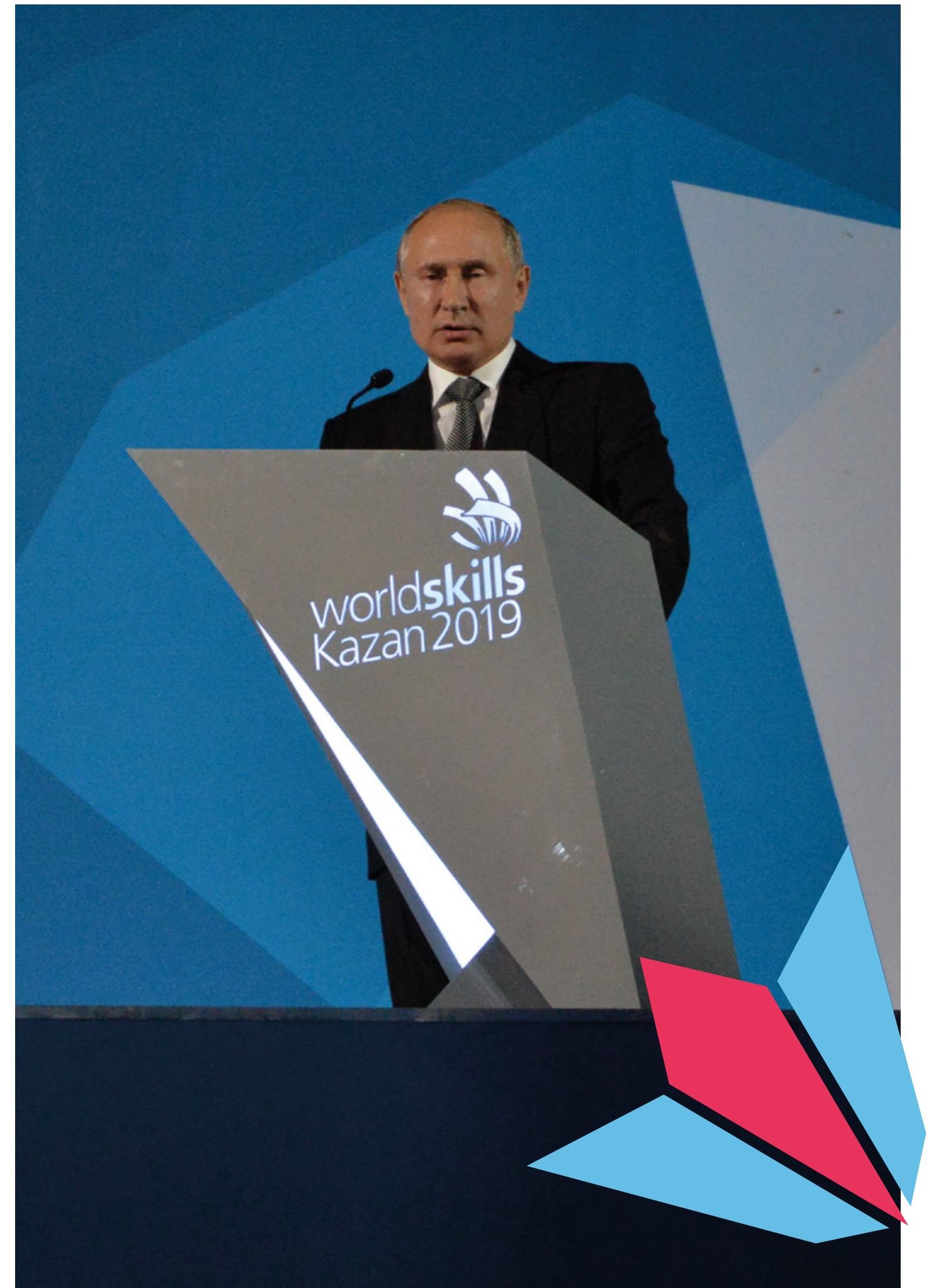
The Opening (22 August 2019) and Closing Ceremonies (27 August 2019) took place at the Kazan Arena venue (115 a, Khusaina Yamasheva Str., Kazan).

The Kazan Arena is Kazan's universal football stadium, one of the largest stadiums in Russia. The decoration development of the stadium bowl started at the end of June. The rehearsal process at the supplementary rehearsal sites began on 15 July 2019, a month later the first rehearsal took place at the main stadium venue. On 21 August, a dress rehearsal of the Opening Ceremony took place.









6.5.1. PREPARATION OF CEREMONIES, VENUE, BROADCASTING, SPECTATORS

The Opening Ceremony was a colourful and vibrant event whose audience reached 40,637 people. The show lasted for 2 hours 15 minutes. The components of the event included the Parade of Nations, a skills presentation, the Pulse theatrical show, official oaths by Competitors and Experts, and official speeches. The event was attended by the Russian Prime Minister Dmitry Medvedev, President of WorldSkills Simon Bartley, and over 500 international guests of honour. The speakers at the Ceremony were: Samsung Vice President, world-famous inventor Pranav Mistry, Professor David Henson and his creation – Robot Sofia, creator of exoskeletons Ekaterina Bereziy, member of the WorldSkills Champions Trust (Russia) Anna Prokopenya; the national entertainment stars were involved in the episodes, and 400 dancers took part in mass scenes. Decorations weighing about 800 tonnes, up to 27 metres tall were created for the show, exclusive musical material and light score were composed, and several videos were shot. The main television signal was generated from 32 cameras. There were 570 people registered in the media centre. In the history of the WorldSkills Competitions, it was the most outstanding Opening Ceremony with a live broadcast.

The audience of the Closing Ceremony was 38,428 people, with 700 people registered in the media centre. The ceremony lasted for 3 hours 15 minutes. As part of the event, awards were presented following the results of the Competition, including 77 gold, 71 silver, and 71 bronze medals in six skills sectors, 70 medals in the Best of Nation award, and the Albert Vidal Award. To organize the award ceremony, two stage facilities and a bridge connecting the Partners awarding area with the interview area for participating countries (Winners Circle) were additionally constructed. The event was attended by the Russian President Vladimir Putin, President of WorldSkills Simon Bartley, more than 500 international guests of honour and partners. At the Closing Ceremony, the WorldSkills flag was handed over to the next host city, as well as the presentation programme of the Shanghai 2021 Organizing Committee was delivered. The cultural programme of the Closing Ceremony was attended by the stars of the Russian and European pop music, 300 dancers and two orchestras were involved in mass scenes.

The following services were provided to the client groups:

- navigation of spectator flows in the territory of the venue and during the seating arrangement,
- lost and found office at the Ceremony venue,
- activation of spectators in the stands, provision of audience props,
- technology of show augmented reality for spectators and TV viewers,
- sale of souvenir products,
- organization of catering areas,
- provision of safety of spectators at the venue.

BROADCASTING

As part of the Ceremonies, photo and video filming of the event, editing and further broadcasting of video materials were organized. The television signal generated by the broadcaster was sent to the satellite using the Mobile Satellite Communications Station.

Quantity of cameras: 32 TV cameras.

Shows: 2 accounts in VK, Vimeo WSI and WSR, Facebook, SwissSkills, WS China, Euronews (rus and eng), TNV, VGTRK, WSI UK.

Viewers of VGTRK (All-Russia State Television and Radio Broadcasting Company): 179,000 people.

6.6. WORLDSKILLS GENERAL ASSEMBLY

On 21 and 27 August 2019, the WorldSkills General Assembly held the meetings at the Kazan Expo Concert Hall.

The meetings were attended by about 600 people from 68 countries: including the WorldSkills Board, the WSI Secretariat, Official and Technical Delegates of the WorldSkills Member countries and regions. As a result of the voting, Jos de Goey was elected the President of WorldSkills International, and France the host country of the 47th WorldSkills Competition in 2023.





6.7. CONFERENCE PROGRAMME

In parallel with the Competition, the Kazan Expo IEC hosted the events of the Conference Programme:

- National Track,
- WorldSkills Conference,
- Ministers Summit.

The WorldSkills Conference 2019 was the biggest WorldSkills Conference to date, attracting more than 1000 educators, ministers, government officials, leaders of business and industry, and youth. Debate focused on the challenges and risks posed by the seismic shifts taking place in the world of work, and the need to create green jobs and green skills that tackle the climate crisis.

The Conference was co-hosted by WorldSkills International and WorldSkills Russia. The “Young Professionals (WorldSkills Russia)” Union with the assistance of the Ministry of Education of the Russian Federation, the Ministry of Labour and Social Protection of the Russian Federation, Rosatom State Atomic Energy Corporation, Ministry of Education and Science of the Republic of Tatarstan, and the Agency for Strategic Initiatives for New Projects Promotion, ANO “University of the National Technology Initiative 2035”, ANO “Directorate for Sports and Social Projects”, and Boston Consulting Group.

A National Track was included in the Conference Programme and the national competitive selection of TOP-100 Russian participants was organized, with the winners receiving a package of the Conference participant with accommodation in the WorldSkills Village. The duration of the National Track was four days from August 22 to 25, 2019, during which time a kick-off session was held, a reflection meeting was organized based on the results of each Conference day in order to analyse international experience, as well as an additional national day for summing up the Conference, where a map of projects was presented.

WorldSkills Conference 2019 took place 23-24 August. The topics of the Conference were focused on global challenges and macro-regional decisions in the field of skilling the economy of the future (<https://worldskillsconference.com/2019/>). The total number of participants in the WorldSkills Conference was record-breaking and amounted to 1,029 people, including:

- 652 Russian participants,
- 643 international participants.

Conference Tracks:

- economy,
- society,
- sustainable ecosystem.

In parallel with the WorldSkills Conference, the Ministers Summit was held as part of the Conference Programme. This is a closed meeting of ministers and deputy ministers, persons responsible for the development of vocational education in the country. The total number of participants, taking into account the foreign delegations of the ministries, was 117



people, including 18 ministers, 14 deputy ministers, and 11 representatives of countries (43 people), 6 Extraordinary and Plenipotentiary Ambassadors, 68 accompanying persons.

Under the frameworks of the Ministers Summit, international cooperation in the development of skills were discussed, best education practices, as well as options for using the WorldSkills tools for development of national vocational education and training systems were presented.

“Young Professionals (WorldSkills Russia)” Union has created the Russian-language website of the Conference Programme <https://worldskillsconference.com/2019/ru/>.



6.8. EXPO VILLAGE

During the Competition, the Expo Village exhibition zone functioned at Kazan Expo IEC. The total number of built-up stands was 83.

Exhibition stand developers:

1. Expos-M LLC – development of exclusive stands and stands from the Exhibition Stand Packages catalogue, equipping sites with furniture and equipment, if necessary.
2. KAZAN EXPO LLC – construction of sites with Octonorm type constructions, equipping sites with furniture and equipment, if necessary.
3. Third-party developers – companies selected individually by exhibitors for the development of exhibition area.





6.9. TRY-A-SKILL

Try-a-Skill is an interactive platform where any visitor was granted an opportunity to not only observe actions of professionals in various skills, but also try themselves in various jobs. There were 41 Try-a-Skill sites presented:

| No. | Site organizer | Brief activity description | Skill |
|-----|---|---|--------------------------------------|
| 1 | STUDICA | Interaction with a mobile robot Controlling a robot using a joystick | Mobile robotics |
| 2 | FESTO | A small pump station equipped with a manually controlled generator | Water technology |
| 3 | Workshop of Vasilyev Brothers (small flags manufacture) | Creating and painting flags with the WorldSkills Kazan 2019 logo | Activity without reference to skills |
| 4 | Workshop of Vasilyev Brothers (creation of a thaumatrope) | Production of animated items with the WorldSkills Kazan 2019 logo | Activity without reference to skills |
| 5 | Coca-Cola | An eco-quest at the Try-a-Skill site with several waste management stations | Activity without reference to skills |
| 6 | Workshop of Vasilyev Brothers (wooden keychains and painting magnets) | Workshop for painting wooden keychains and magnets with the WorldSkills Kazan 2019 logo | Activity without reference to skills |
| 7 | Danfoss | Acquaintance with the features of troubleshooting in refrigeration equipment using specialized interactive stands | Refrigeration and air conditioning |
| 8 | Stanley Black & Decker (B1) | Under the supervision of the specialists, visitors had an opportunity to work with jackhammers, perforating machines, angle grinder, and nailing guns | Joinery |
| 9 | SHINING 3D | Making products on a 3D printer | Mechanical Engineering CAD |
| 10 | R-PHARM | Chemical experiments | Chemical Laboratory Technology |
| 11 | BASF | Car painting on equipment in virtual reality | Car painting |
| 12 | First workshop | Operation of woodworking machines | Carpentry |
| 13 | Pythagorean Theorem | Virtual reality glasses | Activity without reference to skills |
| 14 | WOOD-ED | Operation of the WOOD-ED Table virtual sawing machine (multifunctional training device) | Carpentry |
| 15 | Felder | Making wood products on the Format-4 Profit H200 CNC machine | Carpentry |
| 16 | Stanley Black & Decker (B3) | Woodworking operations (sawing, drilling, grinding) | Carpentry |
| 17 | Ossetian pies baking | Ossetian pies baking workshop | Cooking |
| 18 | VCOM | Creating a network patch cord | Information Network Cabling |
| 19 | Fujikura Ltd | Work on fibre optic welding machines of various models | Information Network Cabling |
| 20 | BROTHER | Labelling printers in the field of electrical engineering | Electrical Installations |
| 21 | GNFA | «Electrical equipment and data transmission systems – multiplex» model | Heavy Vehicle Technology |

| No. | Site organizer | Brief activity description | Skill |
|-----|---|--|--------------------------------------|
| 22 | FESTO | Production line model collection, as well as setup and programming thereof | Mechatronics |
| 23 | Saint-Gobain | Bricklaying from Saint-Gobain materials | Bricklaying |
| 24 | American Welding Society and Lincoln Electric | Virtual reality welding simulator | Welding |
| 25 | BOSCH | Operation on the BOSCH machine | Bricklaying |
| 26 | Workshop of Vasilyev Brothers (making badges) | Making badges using the WorldSkills Kazan 2019 logo | Activity without reference to skills |
| 27 | DEKORUS | Work on substrates, creation of decorative compositions using paints | Painting and Decorating |
| 28 | DUFA | Demonstrating a technique of applying images to various surfaces with tools | Painting and Decorating |
| 29 | ELFORT | Workshops on sewing machines | Fashion Technology |
| 30 | KNAUF | Putty painting with putty on easels, making gypsum plaster houses, screwing in screws | Painting and Decorating |
| 31 | TECE | Installation of a small section of the water supply system from the riser to the shower faucet | Plumbing and Heating |
| 32 | Stanley Black & Decker (D) | Working with a chainsaw in a closed cube | Landscape Gardening |
| 33 | Airport | Airport: the process of passenger service was simulated on site | Activity without reference to skills |
| 34 | TECHNONICOL | Shinglas shingles stuffing in the form of a contest | Activity without reference to skills |
| 35 | First workshop | Wood and metal processing | Activity without reference to skills |
| 36 | Academy of Ceramics | Decorating ceramic items, work on the potter's wheel | Craft ceramics |
| 37 | IEK | Demonstration of tools used in electrical work | Electrical Installations |
| 38 | Floristry | Training in floristry, manufacturing bracelets and buttonholes | Floristry |
| 39 | KDSK | Painting of concrete sculptures, graffiti | Concrete Construction Work |
| 40 | KAMAZ | KAMAZ engine operation demonstration | Heavy Vehicle Technology |
| 41 | VOLVO | Training centre by VOLVO | Heavy Vehicle Technology |





INTERACTIVE AREAS

In five interactive zones (in clusters A, B, C), three mobile charging stations from the Rosatom State Corporation were organized.

| No. | SITE NAME | BRIEF ACTIVITY DESCRIPTION |
|-----|-------------------|---|
| 1 | VR cinema | Virtual reality cinema with a minimum of nine seats for viewing in 360° format through a VR helmet |
| 2 | Tape of Time | An interactive stand in the form of a touch table where a guest can select a time period on the chronological line and find out the development history of the WorldSkills and WorldSkills Russia movements |
| 3 | Wheel of History | A media panel with interactive elements using 2D and 3D animations displaying a world map where all countries participating in the WorldSkills movement are marked |
| 4 | Inside the Job | Looking through an interactive periscope, the visitor sees videos in the "first-person" format, demonstrating the workflows of the Competition official skills |
| 5 | Information Booth | 6 touch panels supporting 2D and 3D animations, containing the latest Competition news, useful infographics about the participating countries of the Competition, mini-games |

Samsung Experience Zone showcasing modern interactive and attractive technologies (e.g. VR booth) was located in the Samsung Gallery.



6.10. CULTURAL PROGRAMME

From 23 to 26 August, an entertainment programme was held in the territory of Kazan Expo featuring artists and creative groups, using photolocation. The main objective of the cultural programme was to create a festive atmosphere and mood of visitors, as well as to distribute spectators' flows within the perimeter of the venue.

The programme included:

- Russian folk and Tatar folklore-ethnographic groups,
- Performing Arts Theatre:
- face painting artists,
- animation team,
- stilt-walkers,
- drummers' show,
- life-size puppets – mascots Almaz and Altyn,
- "living statues",
- photo booths with instant photo printing.

A photo area was set in the form of the #Kazan2019 hashtag.







WORLDSKILLS VILLAGE LOUNGE AREA

From 16 to 28 August 2019, the WorldSkills Village was hosting a Lounge Area, which became a platform for relaxing and socializing in informal settings.

During 12 days of the Lounge area operation 6 themed parties and 14 workshops were held. The green fitness project ran for nine days. The following activities were organized: library, an area for teaching the Tatar language, an area for board games, cyber games, and a relaxation area with massage chairs.

The Lounge area was attended by the Competitors, as well as those who stayed in the Village. The area was visited by 4,210 people in total.



SKILL OUT

The cultural and entertainment programme in the Skill Out area was prepared and implemented, the area operation was aimed, first of all, at the possibility of communicating in an informal setting.

The Skill Out area was open 19-26 August (6.00 p.m. – 10.00 p.m.). Famous DJs and vocalists of Kazan performed on the stage of the site. Among the Skill Out visitors were, Experts, Interpreters, Technical Delegates, Official Delegates, Global Partner and Event Sponsors, etc.



CULTURAL PROGRAMME FOR OFFICIAL RECEPTIONS

The cultural programme of official receptions was aimed at revealing and popularizing the traditions, values and culture of the country and the region, involving the guests of the republic in its cultural processes in order to popularize the region and the country in the world tourism market. Entertainment was provided by some of the best performing groups in the Republic of Tatarstan and Kazan.



CITY CULTURAL SITES

From 22 to 27 August, four cultural sites were organized in the parks of Kazan, at which 1,250 master classes were held and 330 artists performed. These sites were visited by 93,900 people.

Venues:

- Gorkinsko-Ometevskiy Les,
- Embankment of the Nizhny Kaban Lake (the Tatar Theatre named after Galiyasgar Kamal),
- Gorky Central Park of Culture and Leisure,
- Bauman Street.



EXCURSIONS

The guests and Competitors were greatly interested in five excursion destinations in the Republic of Tatarstan: a sightseeing tour around Kazan with a visit to the Kazan Kremlin, “Evening Lights of Kazan”, the town-island of Sviyazhsk, Raifa Bogoroditsky Monastery, and Bolgar.

The participants of excursions as part of the welcome reception:

- 18 August 2019 – 1,966 people (client groups: Technical Delegates, Technical Delegate Assistants, Chief Experts, Deputy Chief Experts, Experts, Interpreters, Team Assistants, and Chief Experts, Deputy Chief Experts, Experts and Interpreters from WorldSkills Juniors, and Future Skills Chief Experts, Experts, and Interpreters).
- 20 August 2019 – 1,985 people (client groups: Competitors, Team Leaders, Team Assistants, Official Delegates, Official Observers, CEO NSO, Delegation Observers, and Media representatives and WorldSkills Juniors Competitors, Team Leaders and accompanying persons, and Future Skills Competitors, Team Leaders and Support Team).

At the end of each excursion day (18 and 20 August), a welcome reception was organized with a rich equestrian and cultural programme.

The guided tour to Moscow and St Petersburg was organized 28-30 August for Official and Technical Delegates (24 people).

A total of 4,061 participants attended paid excursions (including excursions for the Visitor programme).

Three special cultural events were developed and implemented:

- Opening Ceremony of the WorldSkills Village,
- Cultural Programme in the Skill Out area,
- honouring the volunteers.



6.11. TICKETING PROGRAMME

6.11.1. COMPETITION TICKETING

To visit the Kazan Expo IEC, a ticketing programme was developed that provided registration of visitors through the ticket-booking website.

The official website <https://worldskills2019.com> contained an active link to the ticket booking website "Get tickets to the Competition"

To receive an electronic invitation ticket, you had to choose the date and time of visiting the Kazan Expo IEC, having previously registered at <https://tickets.worldskillskazan2019.com>.

The user interface of the ticketing site supported the switch to Russian and English. Each ticket had its own unique access identifier – EAN-13 standard barcode.

6.11.2. TICKETING FOR THE OPENING AND CLOSING CEREMONIES

The start of official sales was May 2019.

Ticket sales were available at the venue box office in July-August 2019.

The ticketing programme was divided into two parts:

- ticketing as part of the package programme,
- ticketing for residents and visitors.

TICKETING AS PART OF THE PACKAGE PROGRAMME

For the first time, a decision was made on joint zoning of the venue sectors for official delegations and delegations of fans from around the world. Electronic tickets for the delegations of fans were sold both electronically, upon prior request, and at the box office of the Kazan Arena stadium.

TICKETING FOR RESIDENTS AND VISITORS

Tickets could be purchased at <https://ceremony.worldskillskazan2019.com> and at the box offices around the city. Tickets cost RUB 700 and RUB 1,000. Two types of the access control system were used as part of the ceremonies:

- stationary terminal,
- manual scanner.



6.12. VISITOR EXPERIENCE PROGRAMME

During WSC2019, the Visitor Experience programme was organized, which granted students of schools and secondary vocational schools an opportunity to visit the Kazan Expo venue.

Organized groups were formed at three collection points:

- Kazanskaya Yarmarka (Kazan Fair),
- Kazan Tennis Academy,
- Kazan-1 Railway Station.

Organized groups of visitors to the Kazan Expo IEC were transported by buses and the Kazan-Airport shuttle train. Four additional pairs of electric trains were launched on the Kazan-Airport-Kazan railway route specially for organized groups of visitors on the competition days, 23-26 August 2019.

The total number of participants in the Visitor Experience programme amounted to 46,677 people from 83 regions of the Russian Federation (during the Competition period the Kazan Expo IEC was visited by 272,345 people).

Services for the Visitor Experience programme

participants (for the visitors from the regions of the Russian Federation):

- Travel privilege (providing assistance).
- Accommodation (WorldSkills Village, camps).
- Excursion service.
- Transfer to the gathering venue.

At the gathering venues:

- Meals (for visitors from the regions of the Russian Federation and municipal regions of the Republic of Tatarstan), additional drinking water.

- Welcome packs distribution.
- Transfer to the Kazan Expo IEC.
- Storage rooms.

At the Kazan Expo IEC:

- Lunch box.
- Guided tours along the routes to view the Competitions.





6.13. OFFICIAL RECEPTIONS

Six official receptions were organized and attended by 6,301 guests.

6.14. FUTURE SKILLS AND WORLDSKILLS JUNIORS

The WorldSkills Juniors movement is a Russian initiative that helps younger age students to consciously choose a job in a rapidly changing world, determine their educational path, and find their place in the labour market in the future. Students aged 16 and younger from schools and colleges took part in the WorldSkills Juniors Competition. The Competition was held with the support of 22 partner companies.

A total of 82 Competitors from 13 countries and regions, including 39 foreign Competitors, competed in 13 skills of the WorldSkills Juniors competition. The total of five teams could be represented in each skill, but six teams participated in the Restaurant Service skill because of the increased interest.

The WorldSkills Juniors skill areas were arranged alongside the corresponding skills of the official skills. Participant competed for three days, on 23-25 August 2019. On 26 August expert workshops were held, where Competitors could learn something new from high-class specialists from around the world.

The international competition of WorldSkills Juniors was held in the following 13 skills:

- Drone Operating
- Electrical Installations
- Graphic Design Technology
- Hairdressing
- Industrial Control
- IT Network Systems Administration
- Mobile Robotics
- Painting and Decorating
- Plumbing and Heating
- Polymechanics and Automation
- Restaurant Service
- Robot Systems Integration
- Web Technologies

Of these, two skills were presented in the Future Skills sector: Robot Systems Integration and Drone Operating.

The representatives of 13 countries competed in the WorldSkills Juniors:

- Armenia
- Belarus
- France

- Kazakhstan
- Macao, China
- Malaysia
- Namibia
- Netherlands
- Poland
- Portugal
- Russia
- Chinese Taipei
- United Arab Emirates

The award ceremony of the Future Skills and WorldSkills Juniors was held on 26 August at the Kazan Expo IEC (Conference Hall, Cluster A). The total number of participants and guests of the award ceremony was 1,100 people, including more than 100 artists and speakers.

The award ceremony was held on two podiums and lasted for 120 minutes.

A live broadcast of the award ceremony was also organized on the official WorldSkills Russia channel and at futureskills2019.ru. The broadcast had 14,845 views.

FUTURE SKILLS AT WORLDSKILLS KAZAN 2019

The Future Skills project was first unveiled before the international community at the WorldSkills General Assembly 2015 in São Paulo, Brazil, during Russia's bidding campaign for the right to host the WorldSkills Competition 2019 in Kazan.

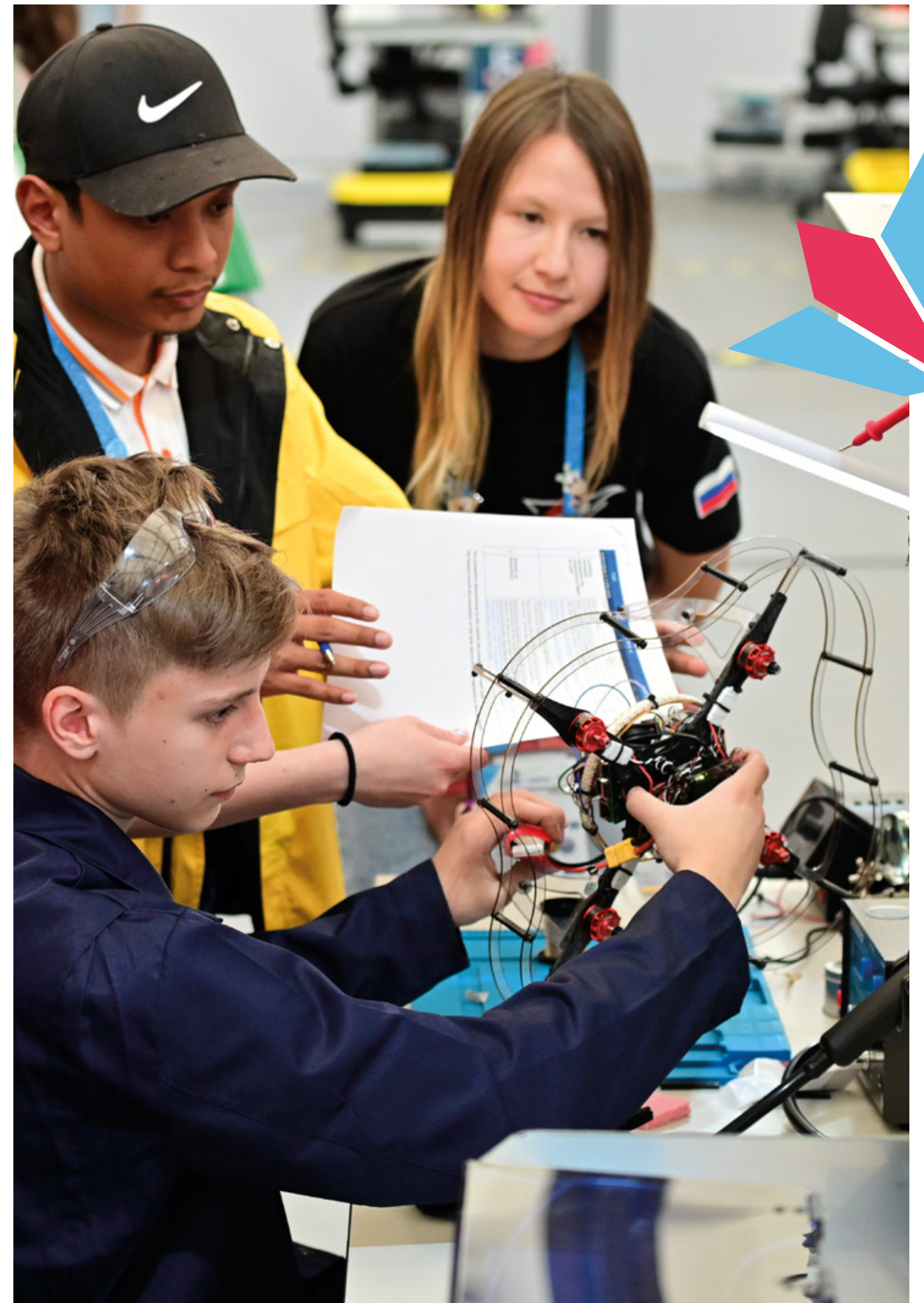
The purpose of Future Skills is advanced personnel training for high-tech production and transforming economy. Rapid changes in global technology and production shape entirely new requirements for human resources, including high-speed training. The demand for future skills increases every year, and mass professional training in these areas will be a challenge for education and industry in the short term.

The Future Skills project aims to address the following challenges:

- conducting research and approving an official agenda for training personnel in new skills,
- designing competitions in these new skills, with an innovative format,
- developing educational programmes in compliance with the WorldSkills standards, so that the new skills may potentially be recognized internationally.

The plan for WorldSkills Kazan 2019 included showcasing the results of all the research and tests of Future Skills that had been conducted since 2015.

The Competition featured a special Future Skills zone, which was aimed at demonstrating the technological development of various industries through the functional skills development model and their practical application, as well as at revealing Russia's contribution into the development of the WorldSkills movement through streamlining vocational training with the global technological agenda.



The Future Skills competition painted a clear picture of how the modern experts' professional skills and job functions keep changing together with shifts in technology, in addition to presenting the average technical maturity timelines: less than 2 years, 2-5 years, and 5-10 years.

Of the delegations that visited the Future Skills zone 364 people were from 17 WorldSkills Member countries and regions who had a particular interest in such an initiative. A total of 169 Competitors and 111 Experts took part in the Future Skills event.

Within a 10,000 m² venue, WorldSkills Russia created an experimental competition zone representing 25 most promising Future Skills from six areas: information technology, production and engineering technology, agriculture, healthcare, transportation, and creativity and design.

SKILLS

The total number of skills open for international participation was 25. The number of workstations had been calculated in advance and was set at no less than three per skill. If any skill proved particularly interesting to the competition participants, the number of workstations could potentially be increased from 3 to 5. As a result, 16 skills were allotted 5 workstations each, 2 skills with 4 workstations each, and 7 skills with 3 workstations each.

The skills were divided into two blocks: Future Skills and Future Skills Show. The skills from the Future Skills block had previously been tested out at national and industry-wide competitions no less than five times; whereas the Future Skills Show block included completely new skills.

Pavilion F of WorldSkills International housed competitions in the following skills:

Future Skills

- Agricultural Biotechnology
- Blockchain-based Solutions
- Building Information Modelling (BIM)
- Composite Technologies
- Digital Factory
- Digital Farming
- Digital Fashion Designer
- Drone Operating
- Enterprise Information Systems Security
- Industrial Design Technology
- Industry 4.0
- Internet of Things
- Laser Technology
- Life-cycle Management
- Machine Learning and Big Data
- Mechanical Reverse Engineering
- Mineral Synthesis and Processing
- Mobile Applications Development

- Neural Interface Design
- Quantum Technology
- Rapid Prototyping
- Robot Systems Integration
- Robotic Welding
- Space Systems Engineering
- Virtual and Augmented Reality

In addition, two other Future Skills – Cyber Security and Cloud Computing – were included as official skills in the main section of the WorldSkills Kazan 2019.

LIST OF PARTICIPANTS

There were 169 contestants (54 of them from foreign countries) and 111 experts (40 from foreign countries) contributing to the Future Skills event.

The 17 countries participated:

- Austria
- Belarus
- Belgium
- China
- France
- Germany
- India
- Iran
- Ireland
- Kazakhstan
- Netherlands
- Poland
- Portugal
- Russia
- Singapore
- South Africa
- -United States of America

Entities that were not actual Members of WorldSkills were still allowed to participate, with the WorldSkills International Member's prior approval.

Therefore, the Future Skills competitions were organized depending on which entity had sent the teams to compete. One entity could not send more than one team/contestant per skill.

IN ALL, THERE WERE 91 ENTITIES REPRESENTED AT THE FUTURE SKILLS ZONE:

1. Aerosud (South Africa)
2. Almet'yevsk Polytechnic College (Russia)
3. Altai Industrial and Economic College (Russia)
4. American Welding Society (United States of America)
5. Argo Development Studio, Waterford Institute of



Technology (Ireland)

6. Avangard (Russia)
7. B Eng Mechatronics, Nelson Mandela University (South Africa)
8. Bauman Moscow State Technical University (Russia)
9. Beijing HengDa Power Gathering Teaching Equipment Co., Ltd, Shandong Polytechnic Technician College (China)
10. ChelPipe Group (Russia)
11. ChongQing Technology And Business Institute (China)
12. College of Communication No.54 (Russia)
13. College of Entrepreneurship No.11 (Russia)
14. College of Modern Technologies (Russia)
15. College Tsaritsyno (Russia)
16. CRRC Datong Co., Ltd (China)
17. Eurasian Resources Group (Kazakhstan)
18. EVRAZ ZSMK (Russia)
19. Fanuc (Germany)
20. Festo (Germany)
21. Gomeldorproekt (Belarus)
22. Guangzhou Electromechanical Senior Technical School (China)
23. Guangzhou Industry and Trade Technician College (China)
24. Guangzhou Panyu Polytechnic (China)
25. Guangzhou Senior Technical School (China)
26. Heyuan Technician Institute (China)
27. Industrial University of Zanjan (Iran)
28. Interregional Center of Competence - Kazan College of Information Technology and Communications (Russia)
29. Jiangsu Vocational College of Agriculture and Forestry (China)
30. Joota Software (China)
31. Julius Blum GmbH (Austria)
32. Kazan College of Technology and Design (Russia)
33. Kazan National Research Technical University named after A. N. Tupolev - KAI (Russia)
34. Kazan Technological College (Russia)
35. L.L.C. NEKTAR (Russia)
36. Leemeetless Design Studio (Iran)
37. Leningradskii Social-Pedagogical College of Krasnodar territory (Russia)
38. Lya Diamond (Belgium)

39. Lycée (France)
40. MAEER MIT Institute of Design (India)
41. Michurinsk State Agrarian University (Russia)
42. Minsk State Polytechnic College (Belarus)
43. Mogilev State Economy Vocational College (Belarus)
44. Moscow College of Architecture and Urban Planning (Russia)
45. Moscow Polytechnic University (Russia)
46. Moscow State Educational Complex (Russia)
47. Nanjing New Code Internet Technology Co. (China)
48. National Research Nuclear University MEPhI (Moscow Engineering Physics Institute) (Russia)
49. Nelson Mandela University (South Africa)
50. North-Eastern Federal University named after M.K. Ammosov (Russia)
51. Novosibirsk Aviation Technical College named after B.S. Galuschak (Russia)
52. Pashkovskii Agricultural College (Russia)
53. PJSC SIBUR Holding (Russia)
54. Polytechnic College named after N. N. Godovikov (Russia)
55. Polytechnic college № 47 named after V.G. Fedorov (Russia)
56. RB North Diamond Technology Inc. (United States of America)
57. Republic Polytechnic (Singapore)
58. ROC Mondriaan (Netherlands)
59. ROSATOM (Russia)
60. ROSCOSMOS (Russia)
61. Rostec (Russia)
62. Rostelecom (Russia)
63. RUDN University (Russia)
64. Saint Petersburg State University of Aerospace Instrumentation (Russia)
65. Shanghai Real Estate School (China)
66. Shaoguan Technician Institute (China)
67. Shenzhen Institute of Technology (China)
68. SICK AG (Germany)
69. Southern Federal University (Russia)
70. State Institution Polytechnical College (Russia)
71. State Institution Polytechnical College (Russia)
72. Stavropol State Agrarian University (Russia)
73. TECHNOPOLIS MOSCOW (Russia)
74. Tehran institute of technology (Iran)
75. Temasek Polytechnic (Singapore)

76. The Institute of Employment and Professional Training (Portugal)
77. The Kosygin State University of Russia (Russia)
78. The Western Complex of Continuing Education (Russia)
79. Tianjin University of Technology and Education (China)
80. Tomsk College of Information Technology (Russia)
81. TRSAPEE Agricultural-industrial College (Russia)
82. Tumeric Digital (South Africa)
83. United Shipbuilding Corporation (Russia)
84. University of Tabriz (Iran)
85. University of Technology, Space Engineering and Technology College (Russia)
86. Ural Federal University named after the first President of Russia B.N.Yeltsin (Russia)
87. Uyarsky Agricultural College (Russia)
88. Vocational Technical School of Guangzhou (China)
89. Warsaw University of Technology (Poland)
90. Waterford Institute of Technology (Ireland)
91. Zibo Vocational Institute (China)

FUTURE SKILLS CONSTRUCTION PLAN

The skills were placed on three “wave-like” levels, depending on the nature of technological shifts and the assumed technical maturity period: less than 2 years, 2-5 years, and 5-10 years. On the pavilion’s plan, the waves were arranged from right to left.

The Future Skills zone included an interactive facility, designed to represent a smart city and allowing its guests to:

CHART A CUSTOM ROUTE THROUGH THE PAVILION, depending on individual preferences and professional growth plans, as well as knowledge and skills in one or several areas. This was facilitated by information desks that were located at every entrance into the Future Skills zone and, based on an intuitive choice process (which helped define the guest’s interests), offered a map with a personal route and recommended skill areas. The map was available for phone download through a QR code.

The other route mapping option covered test areas that were located within the Future Skills zone.

TRY OUT ONE OF THE SKILLS REPRESENTED AT THE COMPETITION. Each skill competition also included an interactive mini workshop, where the guests were offered short edutainment tasks related to the skill, with no prior training required, or a chance to explore (play with) the products that had been created through the industrial application of the relevant skill. There were 16 mini workshops overall, dedicated to the following skills:

1. Mobile Applications Development
2. Neural Interfaces
3. Composite technologies

4. Augmented and virtual reality development
5. Agricultural biotechnology
6. Laser Technology
7. Internet of Things
8. Robot Systems Integration
9. Robotic Welding
10. Industrial design technology
11. Quantum technology
12. Drone Operation
13. Minerals Synthesis and Processing
14. Digital Factory
15. Digital Fashion Designer
16. Space Systems Engineering

Take part in **CAREER GUIDANCE ACTIVITIES** (comprehensive tests or tests in particular skill groups, conducted through special programmes or games) and find out which future skills it would be best to pursue.

TAKE A STUDY BREAK IN A SPECIAL AREA, such as one of the libraries equipped with tablets that contained information on Future Skills, or a booth dedicated to one of the educational projects with different future skill learning formats.

LOOK CLOSELY AND FIND OUT MORE ABOUT THE SKILL’S CORE ESSENCE, about the way the skill is applied to daily life and industrial production, about the competition process, and about the contestants themselves.

INFO POINTS AND THE FUTURE SKILLS WEBSITE

Each skill area had an Info point, which shed more light on the skill and the contestants.

Information on the contestants and test project completion stages was displayed on video screens and interactive information panels.

Additional information on the Future Skills zone and on the skills represented in this zone was also made available through the special Future Skills information navigation system, located on the WorldSkills Kazan 2019 website and containing a detailed overview on the Future Skills zone as a skill area for promising professions that are going to be in high demand in high-tech production and the digital economy. The Future Skills website, accessible through interactive panels at info points in every skill area, allowed the users to look closely and find out more about the skill’s core essence, about the way the skill is applied to daily life and industrial production, about the competition process, and about the contestants themselves, by watching the stream of the competition and each specific skill, stage by stage.

In-depth information on the skills, including a description, a video discussing the skills in easy-to-understand terms, as well as an overview of the technology involved in the skills, the skills’ prospects for the next 10 or 15 years, the knowledge needed to work in the relevant field, the industries where experts on the skills are in high demand, and the test project and documentation, was shared in the information and navigation system.

The guests could also use the same system to chart a custom route through the pavilion, depending on individual preferences and professional growth plans, as well as knowledge and skills in one or several areas.

This system is now part of the Future Skills heritage and is available at futureskills2019.ru.

LIVE BROADCASTING

The Future Skills competitions were broadcast live online (at futureskills2019.ru), as well as on the video displays inside the Future Skills pavilion. Streams of the general WorldSkills Kazan 2019 Competition were also available.

There were two hosts commenting on the broadcasts, which allowed the guests to learn more about the skills and the relevant technologies, as well as the competition process, and all that was happening around the skill area throughout the day.

The broadcast of the last (non-competition) day and the Future Skills and WorldSkills Juniors Award Ceremonies is now available at <https://futureskills2019.ru/en/broadcast>.

CAREER GUIDANCE ACTIVITIES

At the heart of the pavilion, was the Boiling Point, where Russia’s very best career guidance practices and education platform solutions, aimed at discovering and nurturing young talents as early as possible and at developing the most promising skills to serve the digital economy and the markets of the future, all condensed into special activities.

The Boiling Point was the Competition’s career guidance centre and presentation zone, showcasing forward-thinking solutions for education system professions from all over the world. During the last day of the Competition, it also housed meetings between the contestants, the guests, and high-tech entrepreneurs and visionaries, along with workshops that were hosted by the Russian education project leaders.

Furthermore, it provided a platform for tests and personalized recommendations on developing the University 20.35 digital skills. The Boiling Point and the library zones around the Future Skills pavilion also featured presentations of the Island 10-22 intensive learning project.

The Boiling Point’s «learning belt» was lined with presentations of Russian education technologies, such as top-grade projects by the Agency for Strategic Initiatives and the EduNet community, many of which could be seen in action through on-the-spot test runs. The projects were grouped into several zones, known as bubbles:

1. **Data Wielded by Teachers:** education technologies that help modern teachers collect data on the learning process and its results, in relation to both groups and individual students, and then use this data to customize their learning curves. Projects presented:

- Algoritmika,
- Skyeng,

- Foxford,
 - Uchi.ru.
2. **Digital Career Guidance and Diagnostics:** education technologies that help determine the student’s preferences and abilities and chart their course towards mastering a skill of the future. Projects presented:

- Profilum (hard skills),
- Skillfolio (soft skills),
- Ticket for the Future.

3. **Education through Project Design Skill Development:** education technologies that allow to assemble teams for remote project design in the online environment. Projects presented:

- Globallab,
- Reactor,
- Preactum.

4. **The Sandbox Play Area:** education technologies aimed at preschoolers and primary school students, helping them get ready to enter the world of future skills. Projects presented:

- The Atlas of New Professions,
- The Kruzhok Movement projects,
- Robotrack,
- The 3D Education Association,
- FashionQuant.

The Boiling Point’s projects and activities were built into the zone’s navigation system and were presented to the guests as recommendations, depending on their roles and goals. Furthermore, the Boiling Point’s activities, and the Boiling Point itself, as an essential part of the future skills development system, were presented as augmented reality elements.



6.15. FAREWELL PARTY

The Farewell Party was held on 27 August 2019 at the Kazan Arena stadium.

The Farewell Party was held in the territory adjacent to the stadium from the South Stand side, and a temporary structure was retrofitted for that purpose. The event was attended by 3,700 people. A total of 640 people were involved in the operational preparation stage. It lasted for 3 hours 30 minutes. Gastronomic areas for hot and cold appetizers and bars were organized in the temporary structure. The rest of the territory housed extensive food court areas, grill areas, a stage complex, a control room, and artists' dressing rooms. The event was held in an interactive format. The Tesla boy band was the party headliner.



7. KAZAN EXPO INTERNATIONAL EXHIBITION CENTRE COMPETITION VENUE

7.1. OVERVIEW

Address: 1, Vystavochnaya Street, Bolshie Kabany Village, Laishevsky District, Republic of Tatarstan, Russia.

The Kazan Expo IEC was built specially for WSC2019 and put into operation in 2018. The total area is 197,648 m², including:

- Cluster A – 76,560 m²,
- Cluster B – 36,300 m²,
- Cluster C – 28,110 m²,
- Other clusters – 56,678 m².

The exhibition complex is located in close proximity to the Kazan International Airport and is connected to it by a covered walkway.



CONSTRUCTION AND BUILDING TECHNOLOGY

- B208** ARCHITECTURAL STONEMASONRY
- B212** WALL AND FLOOR TILING
- D15** PLUMBING AND HEATING / WSJ
- E18** ELECTRICAL INSTALLATIONS / WSJ
- B220** BRICKLAYING
- C321** PLASTERING AND DRYWALL SYSTEMS
- D22** PAINTING AND DECORATING / WSJ
- B324** CABINETMAKING
- B325** JOINERY
- B326** CARPENTRY
- E37** LANDSCAPE GARDENING
- B138** REFRIGERATION AND AIR CONDITIONING
- B146** CONCRETE CONSTRUCTION WORK

CREATIVE ARTS AND FASHION

- A227** JEWELLERY
- A228** FLORISTRY
- D31** FASHION TECHNOLOGY
- A240** GRAPHIC DESIGN TECHNOLOGY / WSJ
- C344** VISUAL MERCHANDISING
- A250** 3D DIGITAL GAME ART

INFORMATION AND COMMUNICATION TECHNOLOGY

- C102** INFORMATION NETWORK CABLING
- C109** IT SOFTWARE SOLUTIONS FOR BUSINESS
- C111** PRINT MEDIA TECHNOLOGY
- C117** WEB TECHNOLOGIES / WSJ
- C139** IT NETWORK SYSTEMS ADMINISTRATION / WSJ
- C153** CLOUD COMPUTING
- C154** CYBER SECURITY

MANUFACTURING AND ENGINEERING TECHNOLOGY

- A301** POLYMECHANICS AND AUTOMATION / WSJ
- A303** MANUFACTURING TEAM CHALLENGE
- C304** MECHATRONICS
- B305** MECHANICAL ENGINEERING CAD
- A306** CNC TURNING
- A307** CNC MILLING
- C310** WELDING
- B416** ELECTRONICS
- E19** INDUSTRIAL CONTROL / WSJ
- A123** MOBILE ROBOTICS / WSJ

C342 CONSTRUCTION METAL WORK

- A343** PLASTIC DIE ENGINEERING
- A245** PROTOTYPE MODELLING
- A248** INDUSTRIAL MECHANIC MILLWRIGHT
- B152** CHEMICAL LABORATORY TECHNOLOGY
- A255** WATER TECHNOLOGY

SOCIAL AND PERSONAL SERVICES

- A129** HAIRDRESSING / WSJ
- A230** BEAUTY THERAPY
- B432** PÂTISSERIE AND CONFECTIONERY
- B434** COOKING

B435 RESTAURANT SERVICE / WSJ

- A241** HEALTH AND SOCIAL CARE
- B447** BAKERY
- A256** HOTEL RECEPTION

TRANSPORTATION AND LOGISTICS

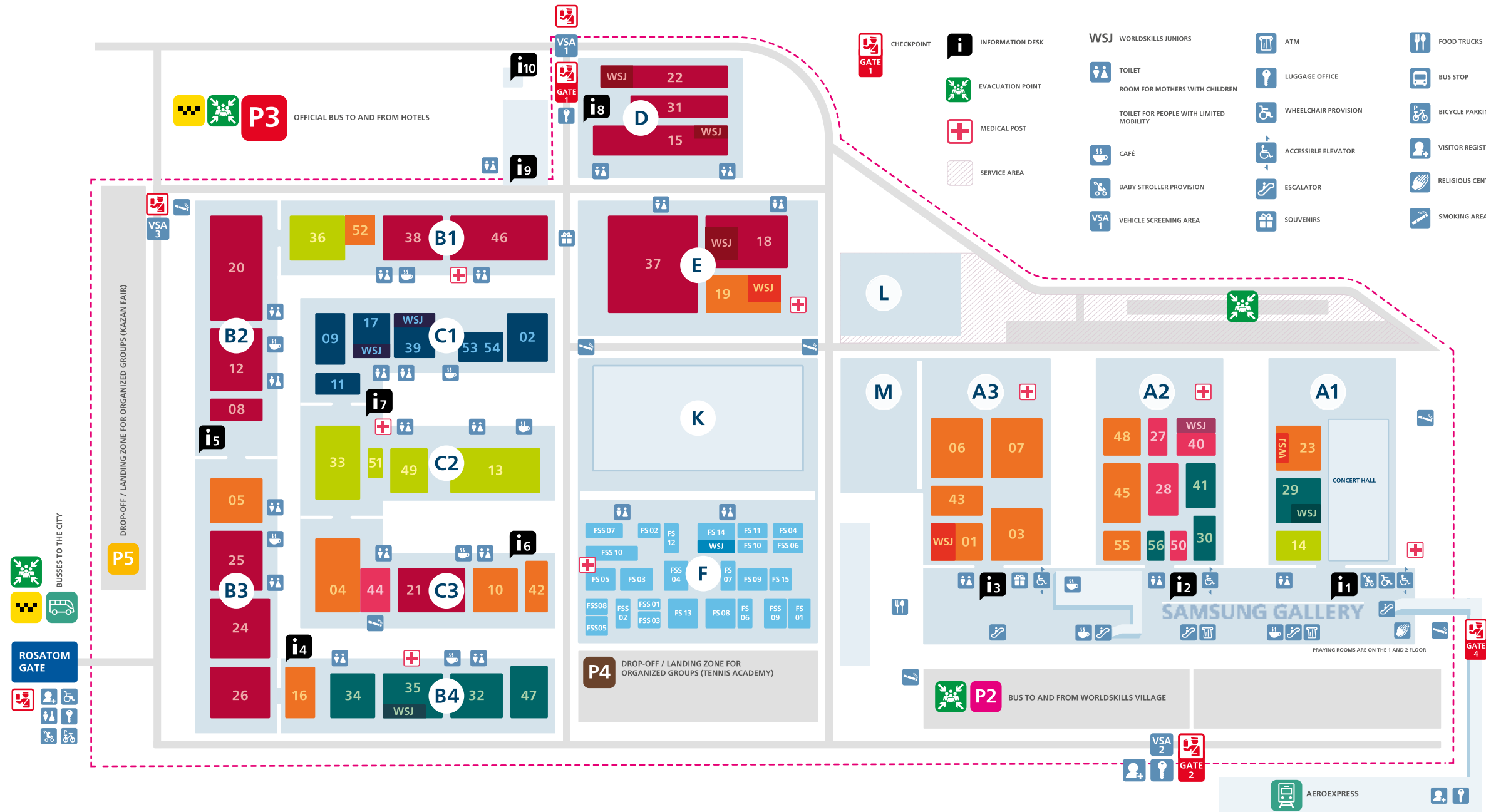
- C2 13** AUTOBODY REPAIR
- A1 14** AIRCRAFT MAINTENANCE
- C2 33** AUTOMOBILE TECHNOLOGY
- B1 36** CAR PAINTING
- C2 49** HEAVY VEHICLE TECHNOLOGY
- C2 51** FREIGHT FORWARDING

FUTURE SKILLS

- FS 01** RAPID PROTOTYPING
- FS 02** AGRICULTURAL BIOTECHNOLOGY
- FS 03** VIRTUAL AND AUGMENTED REALITY
- FS 04** BLOCKCHAIN-BASED SOLUTIONS
- FS 05** COMPOSITE TECHNOLOGIES
- FS 06** ENTERPRISE INFORMATION SYSTEMS SECURITY
- FS 07** INDUSTRIAL DESIGN TECHNOLOGY
- FS 08** INDUSTRIAL ROBOTICS
- FS 09** INTERNET OF THINGS
- FS 10** MACHINE LEARNING AND BIG DATA
- FS 11** MOBILE APPLICATIONS DEVELOPMENT
- FS 12** QUANTUM TECHNOLOGY

FS 13 MECHANICAL REVERSE ENGINEERING

- FS 14** DRONE OPERATING / WSJ
 - FS 15** BUILDING INFORMATION MODELLING (BIM)
- FUTURE SKILLS SHOWCASE**
- FSS01** DIGITAL FACTORY
 - FSS02** DIGITAL FARMING
 - FSS03** DIGITAL FASHION DESIGNER
 - FSS04** ROBOTIC WELDING
 - FSS05** NEURAL INTERFACES DESIGN
 - FSS06** LIFE-CYCLE MANAGEMENT
 - FSS07** SPACE SYSTEMS
 - FSS08** MINERAL SYNTHESIS AND PROCESSING
 - FSS09** LASER TECHNOLOGY



7.2. VENUE ZONING

| VENUE/SUB-VENUE | AREA, TECHNICAL SPECIFICATION |
|--|--|
| Cluster A | 76,560 m ² |
| 3 levels 3 exhibition block sections (height – 12.5 m) | The following was located there: Skills Competitions areas (block section 1 – 5,117 m ² , block section 2 – 10,416 m ² , block section 3 – 10,416 m ²) 25,949 m ² , Expo Village. Exhibition and Try-a-Skill areas. a gallery with the area of 11,254 m ² , a concert hall (3,187 seats, including 33 seats for people with limited mobility), used for the General Assembly seating 708 seats, the WorldSkills Conference for 1,200 seats, the WorldSkills Juniors and Future Skills award ceremonies for 843 seats, 5 conference halls (4 transformer halls with the area of 300 m ² each and 1 hall with the area of 200 m ²), WSI offices, WSR offices, WSC2019 offices, WorldSkills Shanghai 2021 office, 7 meeting rooms for WSI, Competition Management Centre, Venue Management Centre, VIP and VVIP zones, catering areas for visitors with the area of 2,780 m ² , prayer rooms, 3 medical rooms Delegates Lounge and VIP lounge 570 m ² each. |
| Cluster B | 36,300 m ² |
| Skill Competitions Centre 4 block sections (height – 7.8 m) | The following was located there: Skills Competitions areas (block section 1 – 8,442 m ² , block section 2 – 7,918 m ² , block section 3 – 7,918 m ² , block section 4 – 8,447 m ²) 32,725 m ² , Exhibition and Try-a-Skill areas. 2 medical rooms. The following was located in each block section: catering areas for visitors (concession) with the total area of 490 m ² , public toilets. |
| Cluster C | 28,110 m ² |
| Skill Competitions Centre 3 block sections (height – 7.8 m) | The following was located there: Skills Competitions areas (block section 1 – 8,324 m ² , block section 2 – 8,228 m ² , block section 3 – 7,918 m ²) 24,470 m ² , Exhibition and Try-a-Skill areas. 1 first-aid post. The following was located in each block section: catering areas for visitors (concession) with the total area of 368 m ² , public toilets. |
| Cluster D | 8 693 m ² |
| Temporary Skill Competitions Structure (height – 6.0 m) | The following was located there: Skills Competitions areas of 8,367 m ² , Exhibition and Try-a-Skill areas. public toilets. |
| Cluster E | 11,680 m ² |
| Temporary Skill Competitions Structure (height – 6.0 m) | The following was located there: Skills Competitions areas of 11,296 m ² , Exhibition and Try-a-Skill areas. 1 first-aid post, public toilets. |

| VENUE/SUB-VENUE | AREA, TECHNICAL SPECIFICATION |
|--|--|
| Cluster F | 10,260 m ² |
| Future Skills Exhibition Centre (height – 6.0 m) | The following was located there: exhibition areas of 9,869 m ² , Exhibition and Try-a-Skill areas. 1 first-aid post, public toilets. |
| Cluster K | Service venues (height – 6.0 m): |
| Volunteer Centre | 1,930 m ² |
| Private Security Company Centre | 740 m ² |
| Main restaurant | 6,760 m ² , capacity – 2,190 people |
| Lunch boxes distribution | 320 m ² |
| Waste collection zone | 800 m ² |
| Diesel Generators I zone | 1,800 m ² |
| Cluster L | 7,560 m ² |
| Logistics centre (height – 6.0 m) | |
| Cluster M | 3,440 m ² |
| Media Centre (height – 4.0 m) | |
| Accreditation Centre and Welcome Packs Distribution Centre (height – 4.0 m) | 1,460 m ² |
| Visitors Centres | 150 m ² |
| Storage rooms | 150 m ² |
| Smoking areas | 195 m ² |
| Rest areas (tents) | 550 m ² |
| Inspection complexes (vehicle (VSA-1, VSA-2, VSA-3) and pedestrian (G-1, G-2, G-3, G-4)) | The total capacity of transport complexes is 180 cars per hour, 240 buses per hour. The total capacity of pedestrian complexes is 16,200 people per hour. |
| Parking territory | Capacity: 196 cars, 69 buses. |



SKILL COMPETITIONS WORKSHOPS ZONING

The area allocated for the workshops made up almost 60,500 m² (excluding public walkways and exhibition spaces)

| SECTOR | QUANTITY OF SKILLS | SKILLS AREA |
|--|--------------------|-----------------------------|
| Construction and Building Technology | 7 | 4,437 m ² |
| Creative Arts and Fashion | 6 | 7,304 m ² |
| Information and Communication Technology | 16 | 15,301 m ² |
| Manufacturing and Engineering Technology | 13 | 21,936 m ² |
| Social and Personal Services | 8 | 7,123 m ² |
| Transportation and Logistics | 6 | 4,331 m ² |
| TOTAL: | 56 | 60,432 m² |

The area allocated for Future Skills made up 5,106 m².

7.3. TEST EVENTS

Kazan Expo IEC was transferred to the Directorate for use in December 2018, and since then 13 test events have been carried out at the at the venue, during which the venue structures and utilities, as well as the main services were tested:

- Event Services,
- Catering,
- Visual Identity,
- Signs and indicators,
- Transportation,
- Security,
- Media Services,
- Venue management.

| NAME | STAGING DATES | NUMBER OF COMPETITORS AND VISITORS |
|--|-----------------------|---|
| TatAgroExpo Specialized Exhibition and Agribusiness forum | 13.02.2019-15.02.2019 | Participants: over 7,000 people Visitors: 7,809 people |
| Tatarstan International Automotive Forum (TIAF) | 26.02.2019-28.02.2019 | The total number of visitors and exhibitors is 3,184 people |
| EDU RUSSIA 2019 "Education in Russia" Forum | 28.02.2019-01.03.2019 | Participants: 150 people Visitors: 5,500 people |
| Russian Investment and Venture Forum | 10.04.2019-11.04.2019 | Participants: 74 people Visitors: 2,000 people |
| Tatarstan International Energy Efficiency Forum (TEF-2019) | 10.04.2019-12.04.2019 | Participants: 178 people |

| NAME | STAGING DATES | NUMBER OF COMPETITORS AND VISITORS |
|---|-----------------------|---|
| 11th International Economic Summit "Russia – Islamic world: Kazan Summit 2019" | 24.04.2019-26.04.2019 | Participants: 3,500 people Visitors: 5,000 people Representatives of mass media: 250 people |
| State Prize of the Republic of Tatarstan named after Gabdullah Tukay | 26.04.2019 | Visitors: 3,000 people Representatives of mass media: 150 people |
| 19th Russian Championship "What? Where? When?" and "Brain Ring" | 02.05.2019-03.05.2019 | Participants: 650 people |
| Final of 7th National Competition "Young Professionals" (WorldSkills Russia) 2019 | 20.05.2019-24.05.2019 | Participants: 4,517 people Visitors: 28,690 people |
| 38th All-Russian Contest for Young Traffic Inspectors "Safe Wheel 2019" | 03.06.2019-10.06.2019 | Participants: 510 people Visitors: 1,000 people |
| Dental Kazan Expo 2019 International Specialised Exhibition | 05.06.2019-07.06.2019 | Participants: 1,000 people Visitors: 1,500 people |
| 10th All-Russian Forum of Religious Figures "National Identity and Religion" | 14.06.2019 | Participants: over 1,100 people Visitors: over 2,000 people |
| August Republican Meeting of Education and Science Workers | 15.08.2019 | Participants: 1,173 people |

7.4. PREPARATION AND ORGANIZATION OF OPERATIONAL ACTIVITY

The activities of the Kazan Expo IEC took place according to the developed and approved Venue Operational Plan. As part of the Operational Plan, the main documents have been developed that regulate activities at the venue:

- zoning of the Kazan Expo IEC,
- the Setup, Operations and Dismantling Schedule,
- the regulation on the operation of the Venue Operation Centre (VOC),
- the daily activity schedule of the Kazan Expo IEC venue.

The venue team in the operational period from 8 to 28 August 2019 was managed through the Venue Operation Centre (VOC). VOC included the leaders of the venue's main functional areas, as well as the WSI representatives. The venue team's work was coordinated by VOC under the guidance of the venue operational manager. The Venue's Communication Centre (VCC), a dispatch office and a camera control engineer's office functioned as part of VOC. Night watch for the employees of the Venue Management and Venue Operation Management functions was organized to ensure continuous uninterrupted operation of the Kazan Expo IEC, as part of VOC operation.

Daily meetings of the venue team were held at the venue to quickly resolve all issues arising during the operational period and cross-functional interaction. The coordination of the venue operation during the operational period was based on the daily schedule of the venue's activities, taking into account all activities. Amendment and fulfilment of this schedule (of VOC), as well as radio broadcasts were monitored, and statistics on personnel, contractors and visitors were collected. VCC and VOC reported to Main Operations Centre (MOC) on implementation of the main activities and on all issues to be considered at the MOC level.

FIRE SAFETY

There were 14 posts for fire and emergency prevention arranged at the venues, as well as 3 posts of EMERCOM of Russia.

Excellent selection of highly qualified personnel, skills and mechanisms worked out during training, well-established relationships with the involved Functional Areas of the Directorate made it possible to prevent emergency situations, and in case of their occurrence, eliminate them within the shortest possible terms without interrupting the competitions.

7.5. TEMPORARY FACILITIES

The main volume of temporary infrastructure components with the total area of 121,088 m² was erected in the territory of the Kazan Expo IEC: the area of clusters B and C made up 64,410 m², the area of tent structures – 56,677 m².

Temporary infrastructure was also implemented in the territory of the city of Kazan; the total area of temporary structures erected at the city's facilities (USC Kazan Tennis Academy, Educational and laboratory Building of the Volga Region Academy of Physical Culture, Sport and Tourism, WorldSkills Village, Kazan Fair OJSC, Kazan Railway Station 1, Kazan Arena stadium, etc.) amounted to 1,858 m².

The implemented components of the temporary infrastructure include more than 10 different types, in particular:

- tent pavilions,
- sandwich panels pavilions,
- mobile partitions of modular construction,
- custom-made mobile partitions for fencing skill perimeters,
- portable metal structures,
- stand-alone WCs,
- mobile WC cabins,
- temporary pedestrian flooring,
- mobile ramps for the people with reduced mobility,
- temporary podiums for communications systems.



7.6. VENUE LOGISTICS

The venue logistics service facilities were the Kazan Expo IEC, remote venues, the Remote Screening Site.

The venue logistics in strict accordance with the established building and competition schedules ensured:

- placement and storage of cargo owned by client groups in the logistics areas at the venue,
- management of warehouse space at the venue, including rational cargo distribution at storage sites, formation and maintenance of bin location warehousing areas, special cargo storage areas,
- loading and unloading operations at the venues, including with the use of mechanised equipment (forklifts, trucks, motor cranes, loader cranes),
- sorting of goods, article-by-article processing, palletising, labelling,
- end-to-end inventory control of stocks held at storage locations using the Warehouse Management System,
- management of the Master Delivery Schedule system that ensured systematization of freight vehicles access to the Kazan Expo venue through the Remote Screening Site. In total, 578 vehicles passed through RSS.

The main cargo categories handled at the venue were:

- toolboxes – Competitors from Member delegations (727 units, with the total weight of 640 tonnes, 32 freight vehicles),

- material assets purchased to ensure skills under the infrastructure sheet (furniture, IT, consumables, equipment),
- IT equipment, furniture and supplies to ensure the operation of non-competitive premises (offices),
- cargoes of sponsors and partners, including those to be used for exhibition activities,
- WSI cargo.

Over the period from June to September, the venue logistics team arranged reception and unloading of 388 freight vehicles of various tonnage, of which 251 vehicles were unloaded at a warehouse and 137 – directly at the skill site. The vehicle break down included 53% heavy trucks, 43% lower carrying capacity, and 4% passenger cars. During the periods of maximum operating load, during the event, more than 85 people of various categories of logistics personnel were involved in venue logistics per shift.

Warehousing at the venue was carried out in a temporary tent structure (Logistic Warehouse) with the total area of 7,560 m², which was located directly at the Kazan Expo IEC venue.

The following areas were organized in the warehouse:

- goods and materials floor storage area,
- goods and materials shelf storage area,
- goods and materials lockable storage rooms,
- areas of reception, sorting, shipment of goods and materials.



The warehouse adhered to the principle of bin location warehousing for controlling balances in the WMS programme.

Unique Stock-Keeping Units (SKU) – 1,681. The number of units processed at the warehouse is 135,210.

7.7. HEALTH, SAFETY, AND ENVIRONMENT

To safeguard life and health of all client groups representatives, minimise occupational risks and injuries, and also eliminate negative environmental impacts, a set of preparatory measures was carried out, including introductory briefings on labour protection and safety measures, production control and site examination for absence of harmful environmental impact, purchase of personal protective equipment, primary firefighting equipment, etc.

The situation was monitored daily, and all client groups complied with the labour protection requirements.

7.8. CLEANING AND WASTE DISPOSAL

Taking into account international standards, requirements, rules, and operational recommendations of WSI on arrangement of collection, disposal and recycling of construction and solid municipal waste, the Concept has been developed for arrangement the process of cleaning and handling of municipal solid waste at the WSC2019 venues.

Cleaning services were provided in the internal and adjacent territories, including services of separate collection, removal and disposal of waste at the venues.

To ensure proper sanitary condition of the Kazan Expo IEC venue, more than 150 cleaning staff members were involved per shift on the competition days.

605 tanks of various capacities (60 litres to 1,100 litres) for municipal solid waste and 11 containers with the total capacity of 198 m³ for construction and mixed waste were used to collect waste at the Kazan Expo IEC venue. There were 1,208 garbage truck runs completed to remove waste from the territory of the Kazan Expo IEC.

Waste removal for further sorting and disposal was carried out by the Regional Operator for Solid Municipal Waste Management in the Western Area, Housing and Communal Services Management Company LLC (HCS MC LLC).

The total volume of waste removed from the Kazan Expo IEC was 3,860 m³, including 160 m³ of sorted recyclable waste (paper, cardboard).

7.9. SERVICES FOR VISITORS

LEFT-LUGGAGE OFFICE

The left-luggage office is an equipped room with a system of individual cells, each of which is equipped with an individual number, as well as additional space for bulky items with an assigned individual number (strollers, bicycles, etc.), and is designed to organize the storage of



visitors' personal belongings.

Things in the left-luggage office were accepted after preliminary inspection using an introscope.

LOST AND FOUND OFFICE

This service is required for major international events. Its objective is to catalogue, store, and return lost things. The automated system was developed to quickly find lost things. The service was provided at the information booths of the venues (the Kazan Expo IEC and the International Information Centre).

264 applications were registered in the Lost and Found AIS. Items issued – 106.

PRAYER ROOM

Prayer rooms were organized in the territory of the Kazan Expo IEC for representatives of four main religions (Orthodoxy, Catholicism, Islam, and Buddhism). There were five prayer rooms in total, since, according to the Islamic customs, prayers of men and women are held separately.

CHILDREN ROOM

This service is intended for children who lost their parents in the territory of the Kazan Expo IEC. A total of 100 requests were recorded.

WHEELCHAIR AND BABY STROLLER SERVICE

Three points of wheelchairs rent and three points of stroller rent functioned for visitors' convenience.

EXCURSIONS FOR PEOPLE WITH LIMITED MOBILITY

Excursions were available for all organized groups of people with limited mobility in the territory of the Kazan EXPO IEC, and 16 of them were conducted in total.

EXCURSION AND NAVIGATION SERVICES

Three guide stations functioned at the points of organized groups' arrival.

The navigation and visitor flow management process was organized at the following venues:

1. Kazan Expo IEC.
2. Kazan Arena Stadium (45,000 spectators).
3. Kazan Equestrian Complex (about 2,000 guests).

7.10. INFORMATION AND COMMUNICATION INFRASTRUCTURE

The main goals in this area:

- ensuring high-quality and uninterrupted provision of information, communication and telecommunication services,
- providing high-quality technical maintenance of computer and office equipment, as well as multimedia equipment, maintaining all components of the structure, systems and subsystems of the IT equipment,
- timely troubleshooting and preventing malfunctions of the IT equipment.

The main services provided:

- wired and wireless Internet access,
- mobile communication,
- IT equipment provision, configuration and its maintenance,
- professional radio communication.

As part of preparing and staging of the Competition, more than 3,000 units of computer and office equipment, as well as multimedia equipment were utilised.

The main items are given in the table:

| Name of equipment | Total (pcs) |
|--------------------------|-------------|
| Laptops | 626 |
| Desktops | 364 |
| A4 multifunction devices | 343 |
| A3 multifunction devices | 34 |
| TV screens | 312 |

At the Kazan Expo IEC, a data transmission channel was organized with the total bandwidth of 2 Gbit/s, as well as a backup data channel that came in a different geographical way, with the bandwidth of 500 Mbit/s. At the venue of the Opening and Closing Ceremonies, two transmission channels, with the capacity of 1 Gbit/s each, were organized.

Wireless Internet access was organized for the general public (spectators). The total number of connections is shown in the table:



| Day | Total wireless connections | Incoming traffic (Gb) | Outgoing traffic (Gb) |
|------------|----------------------------|-----------------------|-----------------------|
| 20.08.2019 | 2,783 | 473.84 | 97,7 |
| 21.08.2019 | 4,283 | 677.83 | 173.34 |
| 22.08.2019 | 3,128 | 466.91 | 100.8 |
| 23.08.2019 | 7,033 | 1,086.67 | 442.32 |
| 24.08.2019 | 7,145 | 1,125.09 | 428.98 |
| 25.08.2019 | 6,971 | 1,119.63 | 407.55 |
| 26.08.2019 | 7,052 | 1,142.68 | 505.69 |
| 27.08.2019 | 2,311 | 325.21 | 62.56 |

Wireless Internet access was also provided at the Kazan Arena during the Opening and Closing Ceremonies and in the WorldSkills Village. The connections statistics is shown in the table:

| Venue | The total number of unique devices (pcs.) | Incoming traffic (Gb) | Outgoing traffic (Gb) |
|---------------------|---|-----------------------|-----------------------|
| Kazan Arena Stadium | 8,301 | 727.54 | 84,600.51 |
| WorldSkills Village | 3,858 | 35,511.28 | 5,784.06 |

The main mobile communication operators at the Kazan Expo IEC venue amplified the signal of the mobile communication by installing additional base stations in the venue territory.

During preparation and holding of WSC2019, professional TETRA radio communication was organized with the coverage area throughout the city of Kazan. The total number of radio stations used was 1,064.

7.11. POWER SUPPLY

The power supply of the venues was ensured both from permanent sources of power supply and from diesel generator sets.

The connected capacity of cluster A in the Kazan Expo IEC is 11,050 kW, clusters B and C – 6,100 kW in the second category of power supply.

Hourly maximums on an external power supply network reached the values up to 4.0 MW, of which up to 1.7 MW was from cluster BC.

Power supply to the venues not connected to external power supply networks was provided by diesel generators for the total electric power of up to 15 MW; the total actual connected power of 31 generators installed to provide power supply to temporary structures amounted to 19,350 kVA.

Standby generators were used to power cluster C3 and RSP.

The scheme for connecting the generators to clusters F, D, E, K, and C was built by synchronisation of two or more diesel generator sets to provide fault-tolerant power supply to the venues.

8. ORGANIZATIONAL PART OF THE COMPETITION /OPERATIONAL ACTIVITY

8.1. MEMBER SERVICES LIAISON

One of the most important tasks was to deliver timely and comprehensive information, upon the request of the WorldSkills Member delegations, aimed at providing high-quality customer support, which would guarantee a positive impression from attendance of the Competition made on all client groups. To ensure the best customer service for delegates, a dedicated Member Services Liaison team was created, consisting of 12 managers; each of them was fluent in several languages, had extensive experience in international communication, knowledge of the international and national protocol, as well as socio-cultural features of countries.

To create the most comfortable conditions and guarantee complete and timely fulfilment of the individual requirements of delegations, a separate manager was assigned to each WorldSkills Member delegation to provide complex interaction with regard to all emerging needs and requests. Efficient resolution of issues and provision of the best customer-oriented approach included constant communication with the key functional areas, such as accreditation, package management, accommodation, transportation, catering and security. The Member Services Liaison team rendered assistance to 67 WorldSkills Member countries and regions, and received positive feedback and high rating for the quality of customer service.

An important element of smooth and efficient operation of the WorldSkills Members Support service was the successfully implemented practice of the delegations liaison on a "one-window" basis. On 27 July 2018, a dedicated e-mail address began its work, and all the WorldSkills Member countries and regions were informed thereof in a timely manner. From that moment on, the Member Services Liaison team received and processed about 8,500 emails and requests. In addition, the MSL managers actively used telephone calls and the WhatsApp messaging service as additional communication channels, which largely facilitated prompt resolution of issues.

In addition, the Member Services Liaison team ensured detailed verification and correction of more than 3,800 individual application forms in the accreditation system, and also sent more than 200 letters to the WorldSkills Members requesting provision of correct personal data and photographs for further issue of accreditation certificates granting the right to visa-free entry and exit to and from Russia.

One of the key roles in ensuring the most comfortable stay of delegations was played by a specially selected and trained team of volunteers, delegation attachés. The total number of attachés involved was 161 people, each of whom underwent general, venue and functional training to provide teams with the required assistance at all stages of their stay.

8.2. PARTICIPANTS PACKAGES

During the preparation period, the Competition Organizers planned the composition and cost of the Participant's Packages. The accredited participants were given welcome packs.

The Service Packages were implemented through the AIS "Accreditation Management".

The services available for purchase as part of the package (depending on particular client group) comprised accommodation, including breakfast, lunch, and dinner, coffee break, tickets to the Opening and Closing Ceremonies, Farewell Party, One School One Country, Skill Out, excursion, welcome reception, and welcome pack.

In November-December 2018, packages brochures, accreditation manual and packages booking instructions for the Member Delegations, Future Skills and WorldSkills Juniors Delegations, Global Partners, WSC2019 Partners, Conference Participants, and the Delegation Observers were issued.

Packages were booked by 8,872 participants in the WSC2019 accreditation and booking system and received all services within the package. About 6,600 welcome packs portfolios and 1,050 conference packs portfolios were distributed.

The number of packages purchased by client groups:

- Delegations – 5,014.
- Partners – 1,290.
- Conference – 734, as well as 448 more as a part of packages of delegations, partners and others.
- Others (NMO, WSI Organizers, WSR, Future Organizers, etc.) – 1,834.

8.3. VISA-FREE ENTRY, VISA SUPPORT

For the first time in the history of the WorldSkills Competitions, all timely and successfully registered participants and guests of WSC2019 were granted the right of visa-free entry and exit to and from Russia from 7 August to 7 September 2019 based on the accreditation certificate and valid passport, as stipulated by the Decree of the President of the Russian Federation and the Order of the Government of the Russian Federation. Such decision in many respects contributed to successful staging of the event as it allowed ensuring the most comfortable conditions for crossing the state border of the Russian Federation by participants and guests, as well as avoiding the need for applying for a Russian visa.

A significant contribution to creating a positive image and ensuring a customer-oriented approach was the fact that the production of accreditation certificates and their subsequent address delivery to the recipients around the world was absolutely free for all successfully registered participants and guests.

The vast majority of client groups representatives were able to use this unique and convenient service. The accreditation certificates were delivered to representatives of the WorldSkills International delegation, WorldSkills Member delegations, WorldSkills Juniors, Future Skills, Partners and licensees, Observers, Ministers Summit

participants, Conference participants, exhibitors, foreign volunteers, as well as foreign guests.

Realizing in advance the risks associated with late registration in the accreditation system, and also aiming at creating the most favourable conditions for all client groups representatives, including Media, the Competition Organizer initiated issuance of the Order of the Government of the Russian Federation, which stipulated a simplified procedure for obtaining Russian visas by participants and guests, and also by Media representatives, without charging the fees for visa issuance.

A total of 5,176 accreditation certificates were issued and sent, granting the right to visa-free entry to the Russian Federation, as well as 370 official invitations granting the right to receive the Russian visa on a priority basis.

To ensure smooth entry to the Russian Federation, the Competition Organizer established close cooperation with the Ministry of Foreign Affairs of Russia. From 7 August to 7 September 2019, consular points of the Russian Ministry of Foreign Affairs successfully functioned at the airports of Moscow and Kazan, where employees of the Ministry of Foreign Affairs assisted with issuing visas to participants and guests.

8.4. ARRIVALS AND DEPARTURES

Arrival and departure services were provided at the

following official points:

- Gabdullah Tukay Kazan International Airport,
- Kazan Railway Station,
- Vosstanie Railway Station.
- The transit points of arrival and departure included:
- Sheremetyevo International Airport,
- Moscow Domodedovo Airport,
- Vnukovo International Airport.

Arrival and departure services included:

- assisting with border and customs procedures,
- meeting participants and accompanying them in baggage claim areas,
- assisting with search for lost baggage,
- arranging transfer to places of residence based on collection, processing and systematisation of flight data of client groups,
- providing reference information at the Competition Organizer's information booths,
- assisting with the services of issuing/renewing, booking and purchasing air and railway tickets,
- assisting, if necessary, with payment for excess baggage,
- provision of translation services.

The services were provided by the Competition Organizer's employees and volunteers at the points of arrival and



departure together with the staff of the involved airport services (Passenger Carriage Organization Service, Aviation Security Service, Special Transport Service, the border service of the Federal Security Service of Russia, airlines, etc.) and railway stations.

Arrival and departure services were provided to 12,451 participants. Overall 8,788 passengers (70.6%) used the air service, 3,615 (29%) travelled by rail, and 48 (0.4%) by suburban buses.

The peak days of arrival were 17 August (1,927 people), 19 August (1,424 people), and 22 August (1,362 people).

Days of client groups' mass departure occurred on 28 August (4,373 people) and 29 August (1,483 people).

6,200 participants used transit flights via airports of the Moscow aviation hub. The main load fell on the Sheremetyevo International Airport (3,481 people or 50% of arrivals). The Moscow Domodedovo Airport accounted for 2,468 people or 35% of arrivals, 251 people or 3% of client groups arrived through the Vnukovo International Airport, and 12% or 821 people – through the remaining regional airports.

The share of participants arriving by direct (international) flights accounted for 80% or 1,767 people.

The unified baggage tracing database was developed, and identification baggage tags were made and distributed in advance.

In total, 255 baggage items that did not arrive were registered, which is significantly lower compared with the forecast indicators of the preoperative period.

To provide a high level of services and implement guarantees of the Government of the Russian Federation related to organization and staging of WSC2019, the regulatory framework was developed, agreements on cooperation and interaction between the points of arrival and departure and ANO "Directorate for Sports and Social Projects" were reached, and an agreement with the Federal Customs Service (FCS of Russia) was signed.

In pursuance of paragraph 51 of the Order of the Government of the Russian Federation dated 22 April 2016 No. 750-r (as amended on 8 October 2018 No. 2160-r), the issue regarding organization of reduced travel fare for volunteers, visitors, and participants from the constituent entities of the Russian Federation to the city of Kazan and back was resolved. In accordance with the Competition Organizer's obligations to WorldSkills International, economy class airline tickets to Kazan and back were booked and purchased for the journalists of Media pool A. Interaction of airlines and Member delegations on booking flights was ensured. The number of S7 Airlines flights was increased from 5 to 13, and the aircraft on two Aeroflot flights were replaced with a Boeing 777-300 ER (402 seats) instead of with Airbus 321 (185 seats) on the peak day of participants' departure (28 August 2019).

8.5 ACCREDITATION

The accreditation procedure was carried out using the Accreditation Management automated information system developed by the Directorate in accordance with

the regulatory documents of WorldSkills International. As part of the single system, processes related to registration of applications by skills, processing of participants' individual profiles, booking and payment of packages (sets of services), processing of arrival and departure information, personalisation of ID accreditation badges, and processing of data to produce accreditation certificates (rights of visa-free entry to the territory of the Russian Federation to participate in the Competition).

The generation of technical specifications for development of new modules started in November 2017. The accreditation system was launched 14 months prior to the start of WSC2019 (June 2018). The Directorate provided information and technical support for the process of packages registration and booking on a daily basis.

Operation of four accreditation centres was organized to ensure quick and comfortable accreditation of participants. To optimise the workload, as well as time of serving participants, client groups were allocated to a certain accreditation centre taking into account the specifics of the accreditation procedure.

MAIN ACCREDITATION CENTRE

Location: Kazan Expo IEC near the checkpoint.

The accreditation centre provides its services to the following client groups: representatives of Member delegations, FutureSkills delegations, WorldSkills Juniors delegations, partners and global partners, Conference participants, observers, WSI representatives, and the Ministers Summit participants living in hotels.

Working hours:

08:00-19:00 each day from 1 to 14 August 2019.

07:00-21:00 each day from 15 to 27 August 2019.

ACCREDITATION CENTER FOR PARTICIPANTS RESIDING IN THE WORLDSKILLS VILLAGE

Location: Teaching and Laboratory Building of the Volga Region Academy of Physical Culture, Sports and Tourism, Universiade Village, 35.

The accreditation centre provides its services to the following client groups: representatives of the Member delegations, FutureSkills delegations, WorldSkills Juniors delegations, partners and Global Partners, Conference participants, observers residing in the WorldSkills Village.

Working hours:

08:00-19:00 each day from 1 to 14 August 2019.

From 15 to 27 August 2019 – round the clock.

ACCREDITATION CENTRE FOR THE STAFF OF THE COMPETITION ORGANIZER, VOLUNTEERS, AND CONTRACTORS

Location: Teaching and Laboratory Building of the Volga Region Academy of Physical Culture, Sports and Tourism, Universiade Village, 35.

The accreditation centre provides its services to the following client groups: the Competition Organizer's staff, representatives of the Organizing Committee, volunteers, staff of contracting organizations and supervisory authorities, law enforcement agencies.

Working hours:

08:00-19:00 each day from 1 to 14 August 2019.

08:00-19:00 each day from 15 to 27 August 2019.



| Client group | Number of badges |
|---|------------------|
| Member Delegations | 4,506 |
| Future Skills delegations | 342 |
| WorldSkills Junior delegations | 186 |
| WSI Representatives | 262 |
| Global Partners and Sponsors | 1,294 |
| Media | 616 |
| Observers | 768 |
| Conference and Ministers Summit | 706 |
| Exhibitors | 100 |
| Representatives of the Organizing Committee | 1,588 |
| Guests | 420 |
| WSK2019 personnel | 1,703 |
| Volunteers | 3,814 |
| Staff of contracting organizations and supervisory bodies | 18,838 |
| A group of visitors from the constituent entities of the Russian Federation | 995 |
| Total | 36,138 |

| DATE | NUMBER OF BADGES |
|-----------|------------------|
| 1 August | 796 |
| 2 August | 1,796 |
| 3 August | 690 |
| 4 August | 171 |
| 5 August | 402 |
| 6 August | 993 |
| 7 August | 1,250 |
| 8 August | 720 |
| 9 August | 1,613 |
| 10 August | 764 |
| 11 August | 154 |
| 12 August | 720 |
| 13 August | 595 |
| 14 August | 316 |
| 15 August | 792 |
| 16 August | 848 |
| 17 August | 1,375 |
| 18 August | 1,856 |
| 19 August | 2,539 |
| 20 August | 1,811 |
| 21 August | 1,129 |
| 22 August | 2,178 |
| 23 August | 923 |
| 24 August | 332 |
| 25 August | 469 |
| 26 August | 115 |
| 27 August | 203 |

ACCREDITATION CENTRE FOR THE REPRESENTATIVES OF THE COMPETITION ORGANIZERS AND MASS MEDIA

Location: Kazan Expo IEC near the checkpoint.

The accreditation centre provides its services to the following client groups: representatives of the Competition Organizers and invited guests, media.

Working hours:

08:00-19:00 each day from 1 to 14 August 2019.

07:00-21:00 each day from 15 to 27 August 2019.

During the operational activities of accreditation centres from 1 to 28 August 2019, 36,138 people were accredited. The maximum number of badges (2,539) was issued on 19 August (C-4).

ACCREDITATION BADGE

Successful completion of the accreditation procedure was marked by issuance of a participant's badge (laminated ID badge with a protective hologram, which contained a holder's photograph, first and last names in Latin characters, an organization name, a functional role, and access codes (pictograms).

Access control of accredited persons was carried out with the help of scanner terminals (AMCS Terminals) and visual means.

Three venues were equipped with access control system terminals: Kazan Expo IEC, Kazan Arena, WorldSkills Village. 113 terminals of access control and management system were put into operation.

| | | |
|---|--|--------------|
| 1 | Kazan Expo International Exhibition Centre | 52 terminals |
| 2 | Kazan Arena Stadium | 41 terminals |
| 3 | WorldSkills Village | 20 terminals |

8.6. ACCOMMODATION

The WorldSkills Village and Kazan hotels were used to accommodate participants.

A total of 8,448 representatives of client groups were accommodated, including:

- 6,127 people in the WorldSkills Village,
- 2,321 people in the city hotels.

Peak arrival dates:

- 18 August 2019 – 1,336 people (WorldSkills Village),
- 17 August 2019 – 428 people (city hotels).

Peak accommodation dates:

- 26 August 2019 – 5,605 people (WorldSkills Village),
- 24 August 2019 – 2,065 people (city hotels).

HOTELS

The main dates/period for the accommodation services provision in city hotels is 15 November 2018 (the day of package sales system opening) – 15 September 2019 (the day the last guest leaves the hotel).

All the event participants lived in single/double rooms.

Check-in time – 14:00

Check-out time – 12:00.

There were 58 accommodation venues of 5, 4, 3, and 2 star categories allocated to the competition guests. The distance to the Kazan Expo IEC is 30-50 minutes by shuttle bus.

Service managers worked around the clock at the places of accommodation to ensure quick and efficient check-in and accommodation of guests, coordination of lodging and assistance with solving the arising issues.

The average load of accommodation venues on 22-27 August 2019 was 93.5%.

8.6.1. WORLDSKILLS VILLAGE

The WorldSkills Village is a residential area built in Kazan for the 27th Summer Universiade Kazan 2013 to provide accommodation for athletes and other members of the official delegations. Before and after the Universiade, it is used as the Russia's largest student campus of the Kazan (Volga Region) Federal University (KFU) and Volga State Academy of Physical Culture, Sport and Tourism (VSAPCST), Volga Interregional IT School, and the Federal Centre for the Training of Russian National Teams in Summer Sports.

- Plot area – 53 hectares,
- Development area – 38 hectares,
- The total residential area – 274,000 m².

The village is designed for 14,500 people. The venue is suitable for people with reduced mobility.

From 1-31 August 2019, the total number of guests residing in the WorldSkills Village amounted to 6,127 people from 66 countries and regions, including:

- Member Delegations – 2,981,
- Future Skills delegations – 311,
- WorldSkills Junior delegations – 180,
- WorldSkills Shanghai 2021 Competition Organizer – 86,
- WorldSkills International representatives – 24,
- Volunteers – 654,
- Partners – 188,
- WorldSkills Conference participants – 164,
- WorldSkills Russia staff – 528,
- Workshop managers – 104,
- Organized visitors – 907.

For the first time, the Village Opening Ceremony and raising of flags of all residing Member countries to accompaniment of the WorldSkills anthem was held with the participation of the President of the Republic of Tatarstan and the WorldSkills President. After the flag raising, planting of trees was organized in the WorldSkills memorial alley under the "Tree for the future" motto.





8.7. CATERING

The restaurant functioned in the territory of the Kazan Expo IEC (temporary building – Cluster K) that ensured catering for the Competition participants.

- Total area – 9,720 m²,
- Total number of seats – 2,040,
- 12 distribution lines (European/national cuisine – 5 lines, Asian cuisine – 5 lines, 2 halal lines, as well as a separate pizza area and a salad bar). The maximum number of people who visited lunch in the Main Restaurant of the Kazan Expo IEC at a time was 5,395.

The catering area for the Conference participants had the capacity of 500 seats and the area of 2,000 m². In addition, food was provided by 15 food courts and 5 food trucks in the territory of Kazan Expo, as well as in the form of tea tables and coffee breaks. The Skill Out area was functioning for 7 days as a recreation area for the Competition participants in the territory of the Kazan Expo IEC.

To ensure catering for participants in places of accommodation, the restaurant with the total area of

6,370 m² for 1,524 seats was arranged in the territory of the WorldSkills Village:

- Floor 1 – 460 seats (3,390 m²),
- Floor 2 – 252 seats (870 m²),
- Floor 3 – 312 seats (870 m²),
- Temporary structure – 500 seats (1,240 m²).

The national, European, Asian and halal cuisines were presented. Vegetarian dishes were also offered.

A total of 261 tonnes of food or 114,709 servings were served.

The total consumption of 0.5 litre bottles of water amounted to 536,000 bottles. The main period of service provision is from 1 August 2019 (the day of participants arrival) to 1 September 2019 (the day the last guest leaves the hotel).

All the accredited participants were provided with buffet meals.

- Breakfast 05:30-10:00
- Lunch 11:00-15:00
- Dinner 17:00-22:00
- Skill Out 18:00-22:00



8.8. TRANSPORTATION

The period of transport services provision taking into account the arrival and departure of client groups 3 August to 3 September inclusive is 32 days.

668,000 passengers, i.e. representatives of client groups, were transported.

1,350,000 kilometres travelled (33.5 times around the Earth or 3.5 times to the Moon).

The following vehicles were involved for client groups' transportation:

- 226 tourist and city buses,
- 64 minibuses,
- 133 motor cars.

Over 700 drivers were involved in transport services.

Client groups were transported using 159 routes. The average traffic interval from the accommodation locations to the Kazan Expo IEC was about 30 minutes.

In total, about 23,000 round trips were completed. For client groups, including volunteers, a free public transport service in Kazan was provided through issuing 10,000 transport cards. Over 70,000 trips were done.

8.9. LOGISTICS AND CUSTOMS PROCEDURES

As part of implementation of the Government Guarantees dated 11 March 2015 No. 1411p-P8, the following regulations were developed:

- Decision of the ECE Council No. 23 dated 29 March 2019 "On categories of goods covered by a special customs procedure, conditions for placing such categories of goods under a special customs procedure and regulations for application thereof".
- Decision of the ECE Council No. 25 dated 29 March 2019 "On import (export) of goods for the purpose of organizing and staging official international WorldSkills Competition events".
- Decision of the ECE Board No. 73 dated 14 May 2019 "On amending Clause 12 of the Instruction on the Procedure for Using Transport (Transportation), Commercial and/or Other Documents as a Goods Declaration".
- Decree of the Government of the Russian Federation No. 703 dated 3 June 2019 "On exemption from customs duties for customs operations related to the release of goods and from provision of security for payment of customs duties and taxes with regard to foreign goods intended for preparing and staging the 45th WorldSkills Competition 2019 in Kazan".
- Decree of the Government of the Russian Federation No. 985 dated 1 August 2019 "On approval of the Rules for customs operations related to termination of the special customs procedure for foreign goods being imported (imported) into the Russian Federation and intended exclusively for organizing and staging official international WorldSkills Competition events".

Regulations adopted by the Eurasian Economic Commission

and the Government of the Russian Federation allowed importing foreign goods into the territory of Russia that are required to organize and stage the Competition, and place these goods under a special customs procedure without paying customs duties and taxes, and making customs declarations of foreign goods in a simplified form. The issues regarding termination of the special customs procedure, non-collection of customs duties and failure to provide security for customs payments when placing foreign goods under the customs procedure of temporary import were settled.

The introduction of the special customs procedure provided an opportunity to Member delegations, the WorldSkills International delegation, Partners and other suppliers, media representatives and other accredited persons to import foreign goods free of customs duties, taxes, or other levies. Customs declaration was carried out in a simplified form, toolboxes and freight were declared as a matter of priority.

These regulations (except for Government Decision No. 703 dated 3 June 2019) can be attributed to the legacy since they can also be used in the future when other WorldSkills Competitions of various levels are held.

The following items were imported and placed into the territory of the Russian Federation under the special customs procedure:

- 768 toolboxes (boxes with tools and equipment) by 49 Member countries and regions with the total weight of 153,502.09 kg,
- tools and equipment by 28 partners (sponsors) with the total weight of 253,945.17 kg.

In general, participants who used the special customs procedure successfully complied with the rules for termination of the special customs procedure with respect to foreign goods imported into the Russian Federation.

8.10. MEDICAL SERVICES

Medical care was arranged on four levels:

- medical services provided by mobile medical teams (physician, paramedic, volunteer physician),
- medical services provided in medical centres (a physician, a nurse, a medical volunteer),
- emergency medical aid,
- medical care in hospitals.

The main venues where medical support was organized included:

- competition venue – Kazan Expo IEC,
- Opening and Closing Ceremonies venue – Kazan Arena stadium,
- places of accommodation (WorldSkills Village, 36 city hotels)
- gathering points of organized groups (GPOG) under the Visitor Programme (Tennis Academy, Kazan-1 Railway Station, Kazan Fair OJSC). The Medical Centre functioned in the WorldSkills Village (SAHI "State Polyclinic No. 21 "For Students").

There were 21 medical centres, 23 mobile medical teams were operating at the venues of WSC2019, and 22 ambulance teams on duty. The interaction between medical workers was carried out using TETRA format radio stations (56) and a dedicated separate communication channel.

THE FOLLOWING SERVICES WERE AVAILABLE AT KAZAN EXPO:

- 8 medical centres,
- 8 mobile medical teams,
- 9 ambulance teams.

100 first-aid kits were available at the skill competition workshops.

Medical centres were located with the shortest distance to higher risk skills and evacuation exits. All workshops were equipped with first-aid kits and first aid guides (in Russian and English).

Upon the WSI request, higher risk workshops, in addition to first-aid kits, were equipped with eye-washing devices, anti-burn kits, and splinter removal devices. 72 medical volunteers worked at each workshop for medical care information distribution and first aid coordination.

MEDICAL SERVICES AT THE KAZAN ARENA STADIUM

During the Opening Ceremony (22 August) and the Closing Ceremony (27 August), the following services were available at the Kazan Arena venue:

- 10 medical centres,
- 15 mobile medical teams,
- 11 ambulance teams.

From 10 August, medical support for the rehearsal process was organized by the ambulance team.

MEDICAL SERVICES AT THE GATHERING POINTS OF ORGANIZED GROUPS (GPOG) WITHIN THE VISITOR PROGRAMME

Medical support was provided by medical stations (represented by a physician and a nurse) and ambulance teams at each GPOG. To coordinate work and provide an additional number of medical staff (if necessary), each station was assigned with a children's clinic in Kazan.

MEDICAL SERVICES AT THE PLACES OF ACCOMMODATION

From 1 August 2019, round-the-clock operation of the medical centre in the WorldSkills Village was organized to provide medical care to the accredited persons (on the basis of City Polyclinic No.21), as well as an emergency medical team in priority mode.

Payment for the services provided was carried out at the expense of medical insurance or in cash (with the exception of emergency care).

INPATIENT MEDICAL CARE

Inpatient medical care services were provided by the leading medical institutions of Kazan: City Hospital No. 7, Republican Clinical Hospital, Children's Republican Clinical Hospital, Republican Clinical Infectious Diseases Hospital, Interregional Clinical Diagnostic Centre, Republican Clinical Ophthalmologic Hospital, Republican Dental Clinic.



At the Kazan Expo IEC and Kazan Arena venues, seminars on provision of medical care, evacuation measures and practical training were held.

In total, medical care was requested 1,883 times, including:

- 986 times at the Kazan Expo,
- 324 times in the WorldSkills Village,
- 70 times at the gathering points of organized groups (Kazan Fair, Kazan Tennis Academy, Kazan-1 Railway Station),
- 150 times at the Kazan Arena Stadium,
- 353 times at other venues.

The peak of requests (335 cases) was on 25 August 2019.

In total, 119 people were taken to hospital by ambulance teams. The total number of hospitalised was 26 people. No industrial injuries were reported.

BASIC STATISTICAL INFORMATION ON MEDICAL CARE

During the operational period of the Competition, from 1 to 30 August 2019, 1,883 medical care requests were registered, including 182 requests from children.

There were 643 requests from foreign citizens, including:

- VIP and VVIP – 15,
- Team Leaders – 27,
- Competitors – 341 (including 27 children),
- Experts – 159,
- Delegates and Observers – 58,
- Workshop Managers – 50,
- Media – 31,
- Volunteers – 384 (including 60 children),
- Organized groups of children and adults under the Visitor Programme – 59 (including 28 children),
- Visitors – 201 (including 43 children),
- Other (Competition Organizer staff, employees of contracting organizations) – 558 (including 22 children).

The ambulance processed 216 requests, including onsite medical assistance provided to 97 people, and medical care in other medical institutions was provided in 15 cases.

Outpatient medical care was provided to 1,520 people, 119 people were taken to inpatient departments, 26 of them were hospitalized, and, 121 people received medical aid in the emergency and diagnostic department.

According to the Competition requirements, 146 Competitors of certain skills, including hospitality and service skills, underwent a comprehensive medical examination.

Of the total number of those hospitalized, 8 people were foreign citizens. The main reasons for hospitalisation included tonsillitis, gastritis, pancreatitis, hypertension, trauma, gynaecological, urological diseases, appendicitis, and infectious diseases.

There were 9 imported cases of infectious diseases registered, including 4 citizens from other regions of the Russian Federation and 5 foreign citizens.

In the structure of infectious morbidity, there were 2 norovirus infections, 3 acute respiratory viral infections, 3 influenza, and 1 purulent meningitis.

8.11. INSURANCE

In accordance with the Partnership Agreement No. 226/19 dated 1 April 2019, VSK CJSC was the “Official Insurer and Bronze Partner of the 45th WorldSkills Competition 2019 in Kazan”.

Types of insurance: property insurance, liability insurance, cancellation insurance, insurance compensation, life and health insurance for the Competition Organizer personnel.

8.12. LANGUAGE SERVICES

As a result of careful selection carried out to ensure comprehensive and high-quality language support for the Competition, a single linguistic service provider was selected and 20 highly professional simultaneous and consecutive interpreters were involved, as well as two coordinators who oversaw the work of interpreters at the main competition venue, Kazan Expo IEC, and 10 specialists who translated official documents.

Simultaneous interpretation was organized as part of the Competition Conference Programme events (Conference and Ministers Summit), as well as during the welcoming and daily press conferences held at Kazan Expo media centre.

Despite the fact that the official languages of the Competition were English and Russian, the Competition Organizer took the initiative to additionally provide interpretation services in Chinese as part of the events of the International Conference and the Ministers Summit to meet the individual requests of delegations.

To achieve better understanding, consecutive interpretation services were also provided as part of official meetings and negotiations in recreation areas for high-ranking guests.

8.13. PROTOCOL

The Competition events were attended by high-ranking guests:

- **Vladimir Putin, President of the Russian Federation,**
- **Dmitry Medvedev, Prime Minister of the Russian Federation,**
- **Tatyana Golikova, Deputy Prime Minister of the Russian Federation,**
- **Askar Mamin, Prime Minister of Kazakhstan,**
- **Guy Parmelin, Member of the Swiss Federal Council,**
- **Wang Yongqing, Vice Chairman of the People's Political Advisory Council of China,**
- **Ying Yong, Mayor of Shanghai.**

In addition, the Competition was visited by:

- 6 governors/heads of the regions: Republic of Bashkortostan, Republic of Mari El, Astrakhan, Chelyabinsk, Novgorod and Rostov Regions,

- 23 mayors (heads of city districts, city administrations): Armavir, Balakovo, Volgograd, Izhevsk, Yoshkar-Ola, Kirov, Nizhny Novgorod, Novocheboksarsk, Orenburg, Penza, Perm, Rostov-on-Don, Samara, Saransk, Saratov, Sterlitamak, Syzran, Tolyatti, Ulyanovsk, Ufa, Cheboksary, as well as Dnestrovsk and Tiraspol (Republic of Moldova).

The procedure for holding official events of WorldSkills Competition 2019 in Kazan with the participation of officials was regulated by the business protocol.

During the preparation for the Competition, protocol support was provided during the visits of the representatives of WSI (WorldSkills International) and WSR (WorldSkills Russia), business meetings of the leaders of the Russian Federation and the Republic of Tatarstan, press conferences, negotiations, meetings of organizing committees and other events related to preparation, organization and staging of the Competition.

The protocol service of the Directorate arranged 43 official meetings at the airport, provided hospitality services in accordance with the requirements of the international protocol, WSI and government bodies of the Russian Federation and the Republic of Tatarstan.

On 22 August 2019, the Kazan Arena stadium hosted the Opening Ceremony. In preparation for the ceremony, a plan was developed to organize transportation of high-ranking guests by cars, “clean zones” were determined, as well as the procedure for admitting and parking vehicles, official meetings of high-ranking guests were organized, and they were escorted around the venue and in the VIP zone. State flags and flags of participating Member countries were raised, a Parade of Nations was

organized.

Before the Opening Ceremony, the Kazan Arena stadium hosted a meeting of high-ranking guests at the reception on the occasion of the Opening Ceremony (Pre-opening Reception). The reception was attended by 700 people, including the WorldSkills International representatives, WorldSkills Member countries and regions, partners, and other client groups.

On 23 August, an official reception on behalf of the Organizing Committee for preparing and staging of the Competition was held at the “Pyramida” Cultural Entertainment Complex, chaired by Tatyana Golikova, Deputy Prime Minister of the Russian Federation, Chair of the Organizing Committee. The official reception was attended by about 500 invited guests: representatives of the WSI Secretariat, leaders of WSR, partner companies, the Government of the Russian Federation and the Republic of Tatarstan, and diplomatic missions of foreign states.

More than 1,000 high-ranking guests used excursion services and protocol support services at the Kazan Expo IEC. As part of the excursion route, the protocol service team told the history of the WorldSkills movement, explained the functionality and skill areas, and answered guests' questions. During the competition, 90 excursions were conducted in Russian and English.

On 23 and 24 August, as part of the business programme, the Kazan Expo IEC hosted the Ministers Summit, which was attended by 117 officials from 38 countries.

All official events were provided with protocol attributes and handouts.

The Operational Coordination Centre (OCC) of the



Competition was created to ensure operational interaction of all units in the course of arranging these events under Decree No. 1895-r of the Government of the Republic of Tatarstan dated 3 August 2019. The Centre included 17 employees of various departments and organizations of the Republic of Tatarstan and representatives of ANO "Directorate for Sports and Social Projects". For three weeks, the OCC members ensured around-the-clock coordination of the activities of representatives of the ministries and departments of the Republic of Tatarstan assigned to the guests of the Competition, assisted with implementing guest stay programmes in Kazan, distributed and booked hotel rooms (15-29 August, 525 rooms were booked, 242 guests that arrived for the Opening Ceremony of the Competition, and 133 guests that arrived for the Closing Ceremony were accommodated), coordinated transport support, implemented the ticketing programme (rehearsal of the Opening Ceremony of the Competition, the Opening and Closing Ceremonies of the Competition).

Jointly with the Office of the Government of the Republic of Tatarstan, the Ministry of Industry and Trade of the Republic of Tatarstan, visits of delegations of the Rostov Region and the Republic of Bashkortostan were prepared, and visits of the head of the Republic of Mari El, Kirov, Novgorod, Samara, and Astrakhan regions were coordinated.

The peak of the competition was the long-awaited event for the participants – the awarding ceremony for the winners of the Competition. The medallists received their awards on 27 August 2019 at the Closing Ceremony of the Competition.

In accordance with the WSI requirements, 1,653 medals were made and subsequently awarded to the winners. The procedure for staging the Award Ceremony and

sequence of skills was determined, rehearsals were held for the award group, a list of award winners was prepared (members of the WorldSkills Board, WSI CEO, Global Partners, Event Partners, stakeholders, honorary guests of the Russian Federation and the Republic of Tatarstan awarded gold, silver and bronze medals), invitations were delivered to high-ranking guests, the award area and award attributes were prepared.

The main award of the Competition was the Albert Vidal Award named after the founder of WorldSkills International. The award was announced by President of WorldSkills Simon Bartley. Making the presentation was Paloma Vidal, the daughter of Francisco Albert Vidal, the founder of what was to become the WorldSkills movement in Spain in 1950. The Albert Vidal Award was won by Anastasia Kamneva, a student of the Yaroslavl State Technical University, Anastasia had the highest point among all the participants in the Competition.

The Opening and Closing Ceremonies were attended by more than 1,500 VIP guests, including: President of the Russian Federation Vladimir Putin, Prime Minister of the Russian Federation Dmitry Medvedev, Deputy Prime Minister of the Russian Federation, Chair of the Organizing Committee for preparing and staging of the Competition Tatyana Golikova, Vice-Chairman of the People's Political Consultative Council of the People's Republic of China Wang Yongqing, President of the Republic of Tatarstan Rustam Minnikhanov, President of WorldSkills Simon Bartley and others.

The large-scale event, the Competition with participation of foreign states representatives, leaders of legislative and executive authorities, large enterprises and institutions of international and federal levels, public organizations, clearly demonstrated the importance of business contacts through the diplomatic protocol.



8.14. INFORMATION SUPPORT

INFORMATION BOOTHS

Information booths started operating on 1 August, 2019. In total, 45 booths were organized at the venues:

- Kazan Expo IEC – 10,
- MIC – 1,
- hotels – 34.

At the Kazan Expo IEC and MIC, the booths functioned 1-29 August 2019. All staff at the information booths spoke English. The work was carried out in two shifts from 6.00 a.m. to 10.00 p.m. at the MIC and from 7.00 a.m. to 10.00 p.m. at the Kazan Expo IEC.

Information booths provided relevant information received from FAs responsible for providing services to client groups (arrivals and departures, accreditation, transportation, accommodation, meals, cultural programmes and excursions, etc.). Representatives of the main functional areas responsible for provision of

services, as well as volunteers, worked at information booths.

Daily monitoring of requests and inquiries from representatives of various client groups and visitors was carried out. The bulk of the questions raised concerned general information, navigation, transport schedules, the Competition programme, exhibition venues, as well as the programme on the days of the conference. In total, over the period of information booths functioning from 8 to 26 August, 11,508 requests were recorded.

8.15. PUBLICATIONS

There were 28 types of printed materials with a total circulation of 324,281 copies produced for the participants of the Competition, the Competition Organizer and general public (visitors). A number of publications were posted in the electronic form on the official website (Competition Handbook, Visitor's Handbook, Media Guide, WorldSkills Village Map).



8.16. VISUAL IDENTITY

As part of preparation for the Competition, design and navigation items were placed at the following venues:

- Kazan Expo IEC, Kazan Arena, WorldSkills Village, Main International Centre,
- 3 gathering points of organized groups (Kazan Tennis Academy, Kazan Fair, Kazan Railway Station),
- 5 city polyclinics,
- 36 hotels,
- 58 schools,
- 4 international airports (Domodedovo, Sheremetyevo, Vnukovo, Kazan),

- 2 railway stations in Kazan,
- 3 sites in the Kazan parks,
- 2 venues for official receptions (KRK Pyramida, Kazan Equestrian Complex),

The city venues included:

- 30 public transport stops and 8 venues on the way to the airport and Kazan Expo IEC,
- flags, "toledoes" (advertising signboards), fences, overpass, mascot figures, photo areas, and 3 complex architectural forms were mounted.

All inscriptions on signs and signposts were presented in three languages (English, Russian, Tatar).





8.17. COMPETITION COVERAGE

The decision on broadcasting of the WorldSkills competitions for the first time in the history was included in the bid book. The main broadcasting company was ANO TV-News (Russia Today, RT).

There were three TV studios at the Kazan Expo venue:

1. TV Host Broadcaster of WSC2019:

- Internet broadcasting of skills and the business programme in Russian and English for the WSI and WSK Internet resources,
- 28 hours of skills broadcasting,
- 37 hours of the Conference Programme (6 halls) broadcasting,
- number of staff – 70 people,
- number of cameras – 12.

2. VGTRK RUSSIA 24:

- master classes from Competitors and live broadcasts from the studio on the air of the federal TV channel,
- 12 hours of broadcasting,
- number of staff – 30 people,
- number of cameras – 7.

3. WorldSkills UK:

- live broadcasts on BBC news and the WSUK Internet resources,
- 10 hours of broadcasting,
- number of staff – 5 people,
- number of cameras – 3.

Areas of TV studios:

- Competition TV Host Broadcaster – 140 m²,
- VGTRK RUSSIA 24 – 140 m²,
- WorldSkills UK – 36 m.

Broadcasting was made at the following resources:

YouTube channels:

WSI – <https://www.youtube.com/user/WorldSkillsTV>

WSR – <https://www.youtube.com/channel/UCzEO4qzvWFoyYXR1NCsUSEA>

WSUK – <https://www.youtube.com/user/wsukofficial>

Facebook: <https://www.facebook.com/pg/WorldSkills/videos/>

Twitter: <https://twitter.com/WorldSkillsUK>

The bilingual Internet broadcast of skills received the most positive feedback from the supervisory representatives of WSI and WSR.

The daily schedule consisted of:

- broadcasting of the presenter with guests from the studio of the Host Broadcaster,
- broadcasting of correspondents from skill areas,
- interviews with Experts of different skills,
- interviews with spectators,
- broadcasting of correspondents from Try-a-Skill areas,
- videos about the city and the Competition from FA “Communications”.

8.18. MEDIA OPERATIONS

A total of 840 media representatives from 45 countries worked at WSC2019, including:

- International media – 276 people,
- Federal media – 157 people,
- Regional media – 183 people,
- Member media – 224 people.

Attendance of the Main Media Centre at the Kazan Expo IEC:

- 23 August – 1,093 visitors,
- 24 August – 939 visitors,
- 25 August – 873 visitors,
- 26 August – 879 visitors.

The Opening Ceremony was attended by about 570 journalists, the Closing Ceremony – by about 700 media representatives.

In total, 10 press conferences and partner briefings were held at the Main Media Centre. The start press conference with participation of President of WorldSkills Simon Bartley, Deputy Prime Minister Tatyana Golikova, President of the Republic of Tatarstan Rustam Minnikhanov, Director General of the “Young Professionals (WorldSkills Russia)” Union Robert Urazov was attended by about 280 journalists.

27 journalists from Media Pool A arrived in Kazan (a pool of journalists from major international media on behalf of WSI).

The following work was done to ensure comfortable working conditions for the accredited media representatives:

- arrangement of media areas at the Kazan Expo IEC and the Kazan Arena stadium,
- coordination of services for media representatives,
- distribution of media kits (including those developed by the Media Guide function), vests for photographers, videographers and other handout products.

The following processes were also monitored:

- accreditation of media representatives,
- booking of rooms in the official Media hotel – “Ibis” Hotel,
- provision of shuttle transportation services between



official hotels and the Competition venues, as well as upon arrival and departure,

- assistance with catering, excursion services, organization of an official reception for media,
- coordination of visa support for media representatives,
- assistance with customs procedures,
- information support of media representatives.

These services were aimed at ensuring comfortable work of the following client groups:

- Member Media,
- Media Pool A – a pool of journalists on behalf of WSI,
- Media Pool B – a pool of journalists on behalf of WorldSkills Russia,
- international media,
- Russian media,
- Tatarstan media.

8.19. PARTNER PROGRAMME

Participation of the Partners in preparing and staging of the Competition was extremely important for proper fulfilment of the obligations undertaken by the Governments of the Russian Federation and the Republic of Tatarstan and the Kazan Mayor's Office during the bidding campaign.

Monetary and in-kind contributions raised, ensured performance of obligations and compliance of the arranged event with the WSI requirements, allowed not only to reduce the costs of the host country, but also to stage the Competition at a higher organizational and quality level, increasing its entertainment features and, thereby, its attractiveness and the prestige of skills and engineering professions, both nationally and internationally.

In order to attract the attention of the business community to the Competition, business breakfasts were held that were attended by more than 100 representatives of the leading Russian and Western companies, as well as deputies of the State Duma.

Meetings were held and contacts were established with representatives of the WSI Global Partners at WorldSkills Abu Dhabi 2017.

The activities organized as part of the visit:

- meetings between Partners and the representatives of WorldSkills International, the Competition Organizer of WorldSkills Kazan 2019, the “Young Professionals (WorldSkills Russia)” Union, international partners, Russian volunteers, Experts, Workshop Managers,
- tour around the competition venue and to the Engineering College of Abu Dhabi,
- WorldSkills Conference,
- official VIP dinner, the VIP and Sponsor Night, and a reception on behalf of the WorldSkills Kazan 2019 Competition Organizer with the participation of Deputy Prime Minister of the Russian Federation Olga Golodets.

The WSC2019 Partners were comprised of 134 companies, 47 Russian companies, or have their manufacturing in the territory of the Russian Federation and 87 international ones. The total amount of sponsorship (equipment provided and other expenses) is approximately EUR 36 million. About 35% of all the equipment provided is produced by the Russian manufacturers.

The partnership agreements with ANO “Directorate for Sports and Social Projects” were signed by the following companies:

Gold partner:

- Coca-Cola HBC Eurasia – providing water and drinks to participants,
- MegaFon PJSC – providing mobile communications to participants,
- TATNEFT PJSC – providing fuel cards for official transport of the Competition.

Silver partner:

- Ak Bars Bank PJSC – monetary contribution,
- VK – information support,
- Kazan Expo – monetary contribution.

Bronze partner:

- DHL Global Forwarding LLC – organizing customs support of goods of the Competition participants,
- VSK Insurance Company – providing insurance for participants,
- Ingka Centres Rus Operation LLC (MEGA Shopping Centre) – information support,
- MC Metalloinvest PJSC – monetary contribution,

The total number of the Partner companies' representatives that visited WSC2019 is 1,298 people, including:

- Global Partner management – 110 people,
- Global Partner technical staff – 140 people,
- Global partner staff (exhibition staff and other personnel) – 287 people,
- Global Partner press service – 36 people,
- WSC2019 Partners management – 188 people,
- WSC2019 Partners technical staff – 121 people,
- WSC2019 Partners staff (exhibition staff and other employees) – 388 people,
- WSC2109 Partner press service – 28 people.

As part of the hospitality programme, Partners were provided with the following services:

- assistance with accreditation and packages booking,
- personal transport with a driver (Platinum Partners and National Strategic Partner), accompanying by attaché volunteers of the heads of Partner companies at the general, national, strategic, and gold levels,
- car passes for the Rosatom State Corporation and Samsung for admittance to Kazan Expo, and also



Organizers / Организаторы



Platinum Partners / Платиновые Партнеры



Gold Partners / Золотые Партнеры



Silver Partners / Серебряные Партнеры



Bronze Partners / Бронзовые Партнеры



Suppliers / Поставщики



GLOBAL PREMIUM PARTNERS OF WORLDSKILLS INTERNATIONAL



GLOBAL INDUSTRY PARTNERS OF WORLDSKILLS INTERNATIONAL



GLOBAL SUPPORTER OF WORLDSKILLS INTERNATIONAL



to the Kazan Arena stadium (for the Opening and Closing Ceremonies),

- an opportunity to attend official receptions (receptions on occasion of the Opening Ceremony, receptions on behalf of the Organizing Committee, receptions on behalf of the VIP and Sponsors night),
- tickets to the Opening and Closing Ceremonies.

VIP and Sponsors night event, which was held on 25 August 2019 gathered about 600 guests, including Partners and participants.

The following work was done as part of the Partner recognition programme:

1. Logos of the Overall Event Presenter, Samsung, and the National Strategic Partner, Rosatom State Corporation, were added to the event logo to create the lockup logo. The lockup logo was used on marketing material leading up to the event, throughout the Competition venue, on the Competition Organizers' uniforms, on tickets to the Opening and Closing Ceremonies, and on all accreditation badges.

2. Partners' logos were posted:

- on the visual identity elements (banners for press conferences and press scrums, competition area, banners in the Samsung gallery and wall banners in the competition pavilions, Partner stelaes, friezes on the entrances – to cluster A from outside and from the Kazan airport, stickers on travellers in the Airport – Kazan Expo tunnel,
- in publications (including the Competition Handbook, Media Guide, Visitor Handbook, etc.),
- as part of the advertising campaign,
- on screens in the halls of Kazan Expo,
- Main Skills Partners on the stage during the Closing Ceremony.

3. At the Kazan Expo, 46 Partners exhibition stands were built up.

4. Partners were offered additional opportunities for brand recognition:

- a priority right to purchase advertising on city advertising media along the Competition route,
- a right to purchase broadcasting of a Partner's commercial during the Opening and Closing Ceremonies.

5. The priority right to purchase advertising on urban advertising surfaces along the route of the WorldSkills Competition depended on the status of the Partner. And the right to purchase the opportunity to broadcast the Partner's commercial during the Opening and Closing Ceremonies was given only to Platinum Partners.

6. Especially for Partners, the Partner award ceremony was organized, as part of which companies could deliver company gifts to the winners. This right was granted to 11 Partner companies.

8.20. LEGAL PROVISION, INTELLECTUAL PROPERTY PROTECTION

REGISTRATION OF CONTRACTUAL RELATIONS

The legal support activities of ANO "Directorate for Sports and Social Projects" as part of preparing and staging the Competition included registration of contractual relations and protection of the WSC2019 intellectual property. Works for development, legal examination and execution of contracts and other agreements both with co-organizers of the event and suppliers of goods and services for WSC2019 were performed. During preparation for the Competition, legal examination and development of more than 900 contracts and agreements was conducted.

One of the key requirements is observance of the Partners' marketing rights, inadmissibility of use of the official Symbols by third parties, including suppliers of goods and services for WSC2019.

As part of protection of the WSC2019 identity, the Federal Service for Intellectual Property (Rospatent) registered the WSC2019 mascots, Almaz and Altyn, as trademarks of WSC2019; the Marketing Programme was developed and approved on the basis of experience of other international competitions, which included the Regulation on Selection of Licensees and Regulation on the Partner Programme Implementation.

To implement the licensing programme for the use of the WSC2019 Symbols, the Directorate and Union "Agency of Development of Professional Communities Development Agency and Skilled Workers "Young Professionals (WorldSkills Russia)" entered into a license agreement for the right to use the WorldSkills and WorldSkills Russia trademarks.

The right to associate with WSC2019 on the basis of the Partnership Agreements was granted to 9 partner companies, 26 license agreements were concluded with official licensees.

As part of revealing and suppression of illegal association with WSC2019, the Legal Department monitored the Competition venues and the city of Kazan, as well as the Internet; 8 cases of illegal association with WSC2019 were detected, which were immediately stopped and terminated. There was active interaction with the Economic Security and Anti-Corruption Department of the Ministry of Internal Affairs of the Republic of Tatarstan and the Office of Rospotrebnadzor of the Republic of Tatarstan.



8.21. UNIFORMS

To maintain the uniform style of WSC2019 and indicate the functional affiliation of client groups through the use of style-forming elements in the uniform design and identification inscription, the following client groups were provided with equipment:

- WSI Official Media and WSC2019 Official Media,
- Competition Organizers,
- Volunteers.

The set of Volunteers' uniform included a sweatshirt, a polo shirt, a T-shirt, a baseball cap, trousers, and a raincoat. There were 3,688 sets of uniforms distributed.

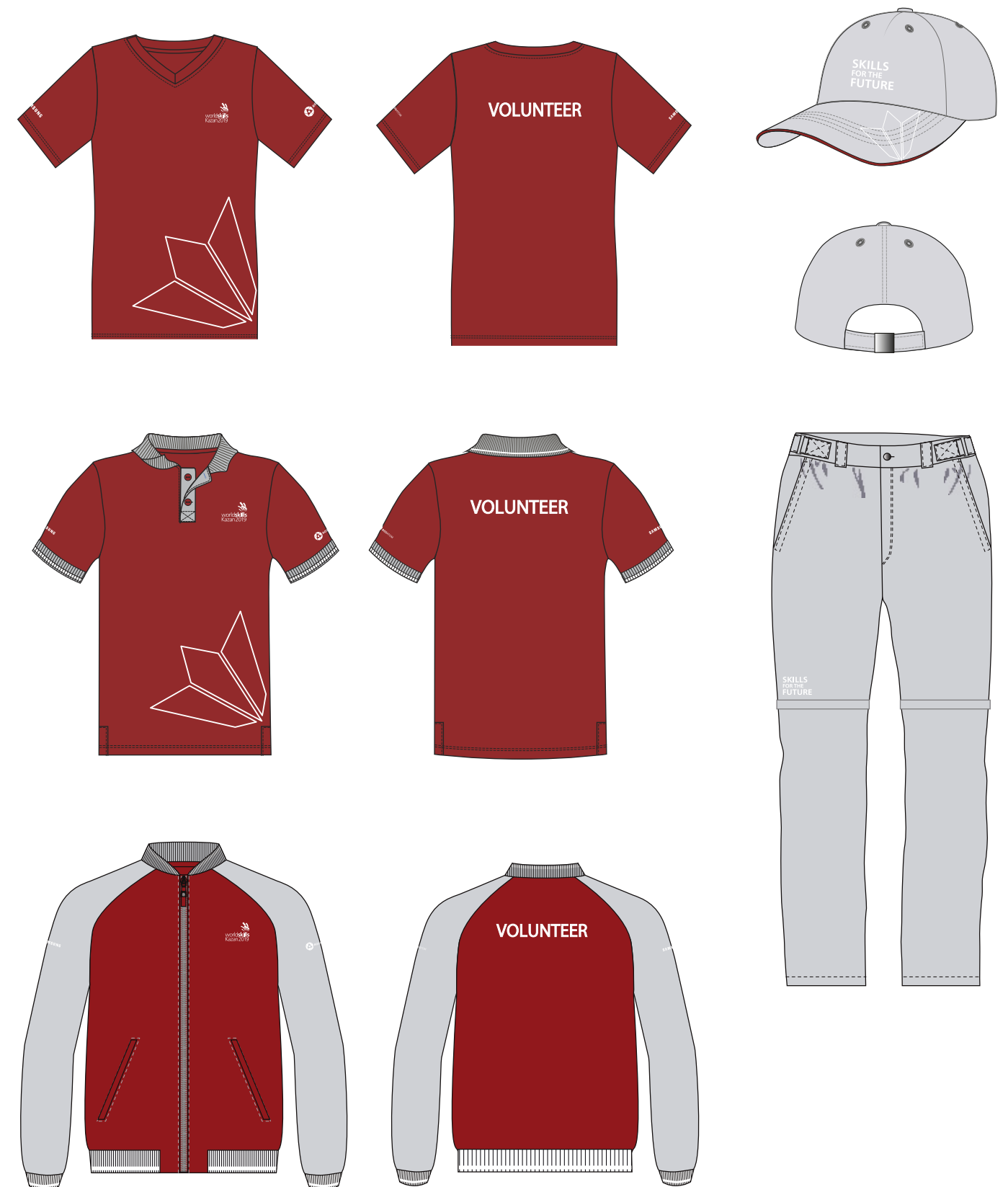
The set of uniform for the Competition Organizers included a sweatshirt, a polo shirt, a t-shirt, and a bag. There were 1,450 sets of uniforms distributed.

The set of uniform for the WSI Official Media and WSC2019 Official Media included a vest. A total of 100 sets were distributed.

The uniform distribution centre was located at the Main International Centre, which allowed client groups to arrive at the main venue of the Competition equipped.

8.22. STAFF

During WSC2019, 223 full-time employees and 922 temporary employees were involved in 51 functional areas. The accredited staff of contracting organizations totalled 18,790 people.



9. VOLUNTEER PROGRAMME

The application campaign for volunteers of WSC2019 was launched in October 2017 in Sochi at the World Festival of Youth and Students. The application campaign lasted until 31 December 2018. The Competition Organizer received more than 15,000 applications from representatives of 92 countries.

The priority task of the Competition Organizer was implementation of the volunteer programme at the federal level and the maximum inclusion of volunteers from various regions of Russia. The open All-Russian contest for the right to become a resource centre for recruiting volunteers for the Competition developed by ANO "Directorate for Sports and Social Projects" in conjunction with the "Young Professionals" Union served as a solution to this problem. According to the results of the competition in December 2017, 15 winners were determined (at least one in each federal district) that received the status of resource centres for recruiting volunteers. They appeared in the Krasnoyarsk, Primorsky, Khabarovsk Krays, Astrakhan and Sverdlovsk Regions, the Udmurt Republic, the Republic of Karelia, the Novosibirsk Region, the Stavropol Kray, the Rostov, Irkutsk, Chelyabinsk Regions, the Chuvash Republic, Krasnodar Krays, Moscow.

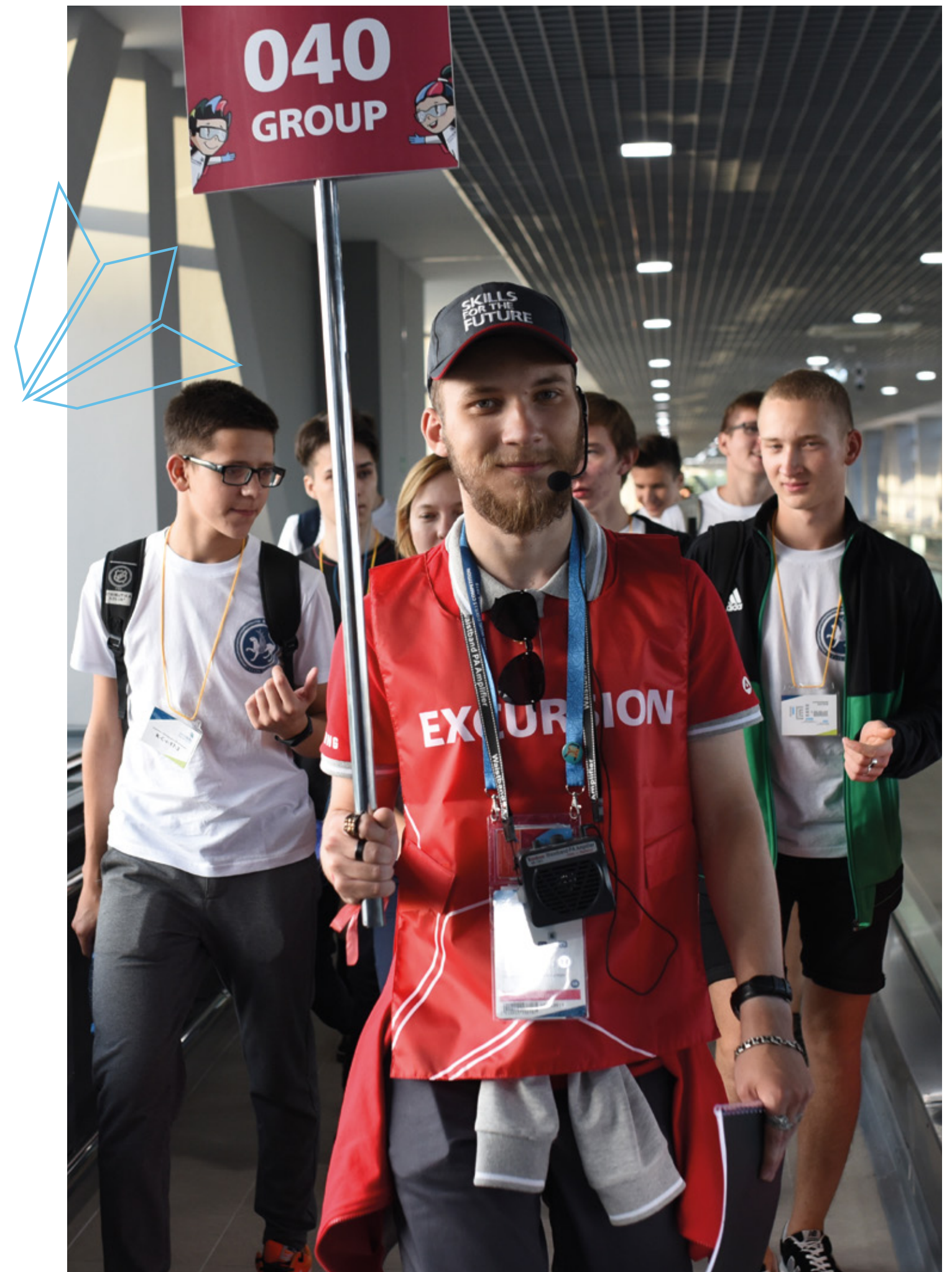
The WorldSkills Kazan 2019 volunteer recruiting centre opened in Kazan on 7 November 2018. The operation began in the technical mode: the first interviews were conducted via Skype and phone with foreign and non-

resident candidates. On the same day, selection of candidates started in 15 resource centres for recruiting volunteers. In-person interviews with candidates from Kazan began on 23 November 2018. The team building process continued until April 2019. By that time, recruiters had conducted more than 9,500 interviews with candidates.

Before going to shifts, volunteers underwent compulsory training. The educational programme consisted of four modules: orientation, competency, functional, venue-based. The training programme was based on the principles of informal education and included the best international practices of training coaches for working with volunteers.

Besides, at the preparation stage, four international internships of volunteers at the WorldSkills events were organized: in the United Arab Emirates during the Competition Preparation Week and Competition for WorldSkills Abu Dhabi 2017, EuroSkills in Gothenburg (Sweden, 2016), and Budapest (Hungary, 2018), as well as an internship as part of the 2018 National Competition "Young Professionals" Final in Yuzhno-Sakhalinsk.

In the pre-operative period (January 2019), a team of 256 volunteers took part in organizing and staging the WSC2019 Competition Preparation Week. This event was a test for volunteers, especially for the attachés: most of them met the delegates and representatives of the Member delegations to collaborate with later during the competition.





In May 2019, a team of volunteers underwent full testing as part of the National Competition "Young Professionals" Final. Almost the full range of venues, services, functional areas, and positions was involved. The organization of the event involved 1,800 volunteers. This event was a test in terms of managing a volunteer team, organizing the work of volunteers at the Kazan Expo IEC, identifying logistics features and providing services to volunteers in terms of the scale of the venues, their geographical location and other factors.

The team of 3,688 voluntary assistants took part in WSC2019, which included volunteers from Kazan and the Republic of Tatarstan, representatives of 85 regions of Russia and international volunteers from 41 countries:

- 3,047 representatives of Kazan and the Republic of Tatarstan,
- 574 representatives of the regions of the Russian Federation,
- 67 foreign volunteers.

During the operational period, the volunteers were involved in 33 functional areas in 97 different positions and roles at the workshops for each skill, in service

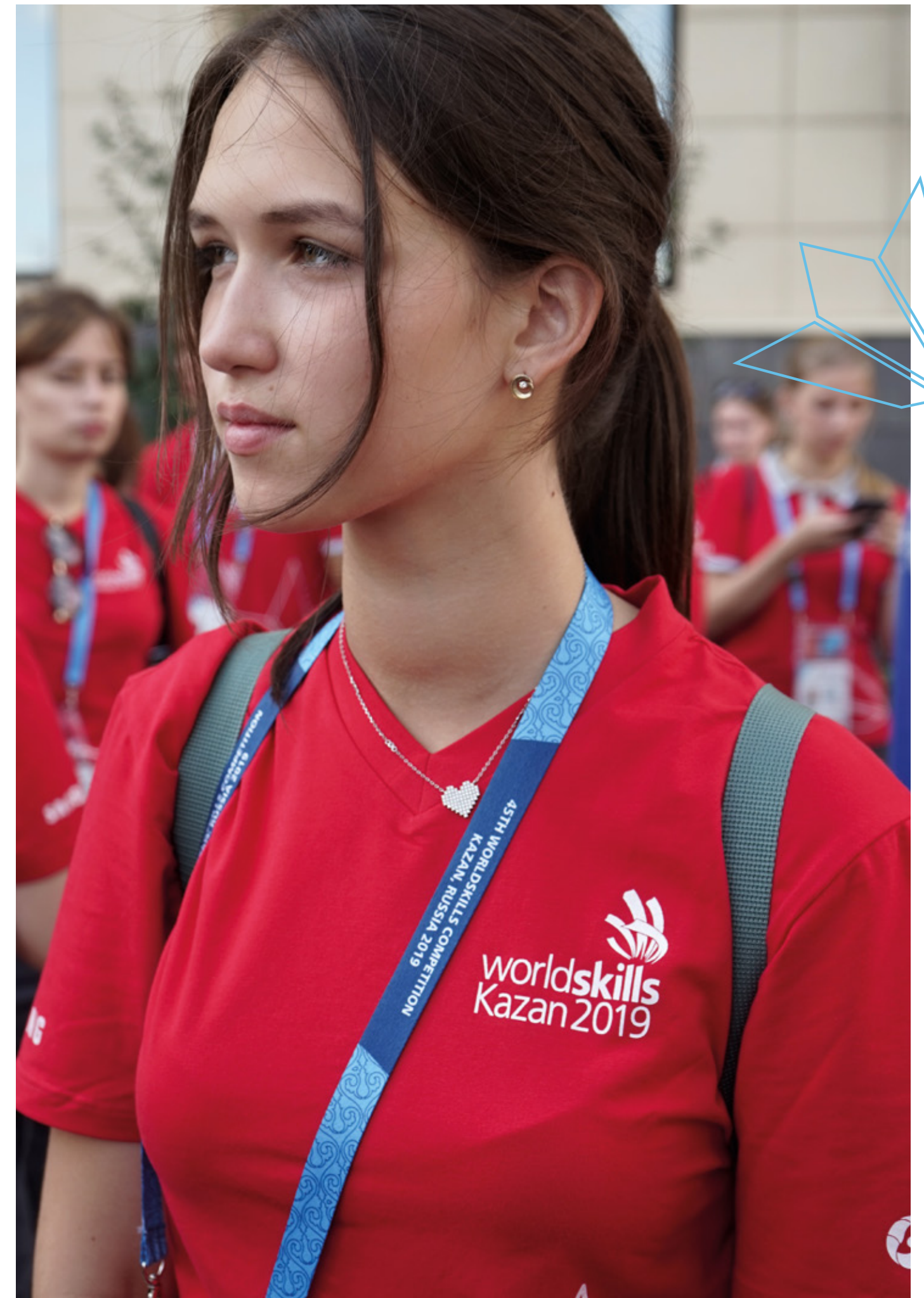
areas (transportation, accreditation, uniform, catering, etc.), accompanying the Member delegations, and at the information points around Kazan for residents and visitors. In total, the volunteer team spent 177,379 hours on shifts.

During the competition days, about 2,500 volunteers were involved at the Kazan Expo IEC. During the Opening and Closing Ceremonies, more than 900 volunteers were involved at the Kazan Arena stadium. In addition, 75 city volunteers worked at 6 information points across the city.

During the operational period, volunteers were provided with the following services:

- hot meals,
- transportation,
- accommodation (for non-resident and foreign volunteers in the WorldSkills Village),
- mobile communication,
- life insurance,
- uniform,
- motivation programme.

On 28 August 2019, as part of the Thank You Volunteers Party event all the volunteers received Letters of Gratitude.



10. LEGACY

10.1. MATERIAL LEGACY

The material legacy of the Competition includes:

- the Kazan Expo IEC, a platform of the WorldSkills Competition (skill area, exhibition pavilions, a gallery, open and closed exhibition facilities (with a total area of more than 80,000 m²), 35 multi-purpose halls (with a capacity of 30 to 500 people), the largest conference hall (with a capacity of more than 3,000 people), a VIP area, recreation areas, food courts (with the total area of more than 4,000 m²), a parking space for more than 3,000 cars);
- equipment used for the competition part of the event per the WorldSkills Competition skills, which will be utilized for developing the WorldSkills system in Russia;
- set of certain works were performed that were aimed at repairing buildings, premises, video surveillance systems, air conditioning systems, utility networks, landscaping and infrastructure improvement, equipping living rooms with furniture and appliances.

10.2. NON-MATERIAL LEGACY

The non-material legacy is consolidated to ensure its effective use in training of highly qualified specialists and workers in accordance with the existing world standards.

The non-material legacy created during preparation of the Competition shall contribute to promotion of the skilled professions, development of the vocational education system in the Russian Federation. The non-material legacy of the WorldSkills Competition includes:

| INITIATIVE | FEDERAL PROJECT |
|---|---|
| <p>“Skills of the Wise”</p> <p>By the Order of the Government of the Russian Federation dated 30 December 2018 No. 3025-r, a special programme of professional training and additional professional education for citizens of pre-retirement age for the period up to 2024 and a plan of relevant organizational measures were approved. In 2019, the Union was selected an operator of vocational training and additional professional education for 25,000 citizens of pre-retirement age</p> | <p>“Older generation”</p> <p>Determining the list of the most popular jobs in the labour market for training citizens of pre-retirement age, taking into account the regional specifics. Staging the “Skills of the Wise” Competitions annually for people over 50 years old under the WorldSkills standards. Holding the All-Russian “Mentor” forum and regional forums annually</p> |
| <p>“Ticket for the Future”</p> <p>By the Order of the President of Russia No. Pr-328 dated 23 February 2018, the project was launched in 2018, including career guidance tests, participation in practical events (professional tests), a mentor base, and generation of recommendations for project participants on building a professional trajectory</p> | <p>“Success of Every Child”</p> <p>Development and approval of the implementation plan for the “Ticket for the Future” project. Development of an online information service platform “Ticket for the Future». Conducting an information campaign to promote the project</p> |
| <p>WorldSkills Russia National Team Preparation for and participation in international competitions</p> | <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Training and ensuring participation of the Russian national team in WorldSkills Competitions</p> |

| INITIATIVE | FEDERAL PROJECT |
|--|---|
| <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Training and ensuring participation of the Russian national team in WorldSkills Competitions</p> | <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Development of guidelines for certification using the mechanism of the demonstration exam, including variability of certification types, taking into account the experience of WorldSkills among other things. Monitoring implementation of the system of intermediate and final certification using the demonstration exam mechanism. Certification using the demonstration exam mechanism covering students of vocational education organizations</p> |
| <p>Centre for Advanced Vocational Training (CAVT)</p> <p>An aggregator and operator of regional resources for vocational guidance, accelerated vocational training, training, retraining, advanced training of all categories of citizens in the most popular, new and promising jobs and skills at a level that complies with the WorldSkills standards</p> | <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Development and approval of guidelines on establishment and operation of centres for advanced vocational training. Monitoring CAVT creation and operation. Monitoring implementation of measures for CAVT establishment and operation.</p> |
| <p>Training foremen of vocational training. Promotion of the best world and domestic training experience based on the WorldSkills International and WorldSkills Russia standards in vocational education and training</p> | <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Training of teachers (foremen of vocational training) to undergo further training under the programmes based on the experience of the Union. Creation of conditions for effective development of a system for training workers taking into account the world standards for the vocational education quality</p> |
| <p>Vocational training programmes with the term not exceeding six months. Creation of conditions for short-term training of workers in the most popular and promising jobs at a level that complies with the WorldSkills standards.</p> | <p>“Young Professionals (Improving the Competitiveness of Vocational Education)”</p> <p>Implementation of vocational training programmes in the most popular and promising jobs at a level that complies with the WorldSkills standards, with the term of such programmes not exceeding six months. Creation of organizational and methodological conditions for introduction and implementation of programmes.</p> |

Implementation of the best practices for introducing the WorldSkills standards tested during preparation of the Competition is aimed at introducing the best foreign educational experience into the vocational education system of the Russian Federation, which will increase the attractiveness of secondary vocational education for the Russian and foreign citizens, as well as ensure international recognition of the Russian educational programmes.















ANNEX 1

RESULTS BY SKILLS COMPETITION

01 Polymechnics and Automation

| Name | Member | Result | Award |
|--------------------|----------------|--------|--------------------------|
| Stefan Istvan Erös | Austria | 731 | Gold |
| Yuhui Zheng | China | 730 | Gold |
| TZU-YANG CHENG | Chinese Taipei | 719 | Bronze |
| On-Yu Lee | Korea | 710 | Medallion for Excellence |
| Sopon Praiwan | Thailand | 710 | Medallion for Excellence |
| Thomas Schranz | Switzerland | 690 | |
| Taiki Iwami | Japan | 686 | |
| Akhmed Matiev | Russia | 678 | |
| Arthur Almeida | Brazil | 668 | |
| Franz Radestock | Germany | 666 | |

02 Information Network Cabling

| Name | Member | Result | Award |
|---------------------------------|----------------|--------|--------------------------|
| Yuta Shimizu | Japan | 746 | Gold |
| Guofa Wei | China | 742 | Silver |
| Islam Nigmatullin | Russia | 741 | Silver |
| Seong Kwang Kim | Korea | 724 | Medallion for Excellence |
| Lucas Lenzi | Brazil | 720 | Medallion for Excellence |
| Ka Iat Wong | Macao, China | 711 | Medallion for Excellence |
| Valiantsin Artsiamionak | Belarus | 705 | Medallion for Excellence |
| David Steven Reyes Qader | Colombia | 703 | Medallion for Excellence |
| Shauna Tan | Singapore | 697 | |
| Divya Umesh Godase | India | 684 | |
| CHING TUNG LIN | Chinese Taipei | 683 | |
| Nguyen Tan Toan | Vietnam | 683 | |
| Tora Kristine Holen | Norway | 680 | |
| Paul MONIER | France | 668 | |
| Mostafa Abdelrahman Omar Hassan | Egypt | 653 | |
| ABDULLAH AL-MABSALI | Oman | 653 | |

03 Manufacturing Team Challenge

| Name | Member | Result | Award |
|---|----------------|--------|--------------------------|
| Chenxi Peng / Xinpeng Chen / Xiangbo Zeng | China | 751 | Gold |
| Mikito Ichikawa / Shinzaburo Yamashita / Koki Kabeya | Japan | 747 | Silver |
| RIH-SHENG YANG / SHAO-SYUAN HUANG / TING-CHIA LU | Chinese Taipei | 718 | Bronze |
| Luiz Zanini / Evan Sobral Filho / Avelino Bueno | Brazil | 712 | Medallion for Excellence |
| Fedor Timokhov / Evgenii Drimalovskii / Igor Kuzminykh | Russia | 688 | |
| Andrew Joyce / Isaac Khan / James Thomason | United Kingdom | 685 | |
| Jean CHANJOU-LECLERCQ / Maxime DURET / Clément ROUSSEAU | France | 677 | |
| Hyeon-Gyu Kim / Jun-Hee Lee / Tae-San Kim | Korea | 639 | |

04 Mechatronics

| Name | Member | Result | Award |
|---|--------------------------|--------|--------------------------|
| PO-YANG CHUEH / CHENG-XUN SONG | Chinese Taipei | 736 | Gold |
| Chenghao Yin / Hu Xie | China | 733 | Silver |
| Hiroki Matsumoto / Ryota Morimoto | Japan | 729 | Bronze |
| Ítalo Gonçalves / Edmilson Souza Neto | Brazil | 729 | Bronze |
| Josia Langhart / Raphael Furrer | Switzerland | 729 | Bronze |
| Bogdan Malynovskyy / Mateusz Cwalinski | Canada | 722 | Medallion for Excellence |
| Ka Ming Au Yueng / Ka Ho Yueng | Hong Kong, China | 721 | Medallion for Excellence |
| Sumanth Santemavathuru Chikkabettaiah / Manjunatha Desurakara | India | 721 | Medallion for Excellence |
| Nikita Norkin / Salavat Iusupov | Russia | 719 | Medallion for Excellence |
| David Viskovic / Jakob Mathias Buchsteiner | Austria | 718 | Medallion for Excellence |
| Shi Jie Wong / Arthur Liew | Singapore | 716 | Medallion for Excellence |
| Ju-Seung Kim / Yeong-Chan Kim | Korea | 715 | Medallion for Excellence |
| Nguyễn Văn Quân / Nguyễn Văn Hưng | Vietnam | 711 | Medallion for Excellence |
| Rick Jooren / Jasper van Kol | Netherlands | 706 | Medallion for Excellence |
| ADRIAN ALCARAZ ARRIETA / Yeisson Alberto García Jaramillo | Colombia | 705 | Medallion for Excellence |
| Muhammad Robby / Muhammad Ridho Cahyono | Indonesia | 702 | Medallion for Excellence |
| Alexandr Bettsov / Isazhan Raisov | Kazakhstan | 700 | Medallion for Excellence |
| Danny Slater / Jack Dakin | United Kingdom | 700 | Medallion for Excellence |
| Jettapon Khwanphon / Jakapong Punkulab | Thailand | 699 | |
| Sónia Caetano / Pedro Simões | Portugal | 691 | |
| Felix Alt / Jan Kintzi | Germany | 690 | |
| David Bakonyi / Daniel Kover | Hungary | 690 | |
| Emanuel Näslund / Niklas Ekelöv | Sweden | 690 | |
| Harisson REALE / Pierre SCHYNS | Belgium | 688 | |
| Odd-Helge Oksavik Juva / Sigurd Hatlen | Norway | 683 | |
| Marco DE LAS HERAS / Ivan MIGUEL | Spain | 679 | |
| Przemysław Krasnodębski / Mateusz Dąbrowski | Poland | 677 | |
| OMAR KHAOUAJ / MOUAD DENNAOUI | Morocco | 675 | |
| MAKSIM HAROKHAU / KIRYL SHYDLOUSKI | Belarus | 671 | |
| Thabang Modise / Tebogo Shabangu | South Africa | 669 | |
| Ryan Hitepole / Curt Love | United States of America | 665 | |
| Dorinel-Ionu BOBIRNAC / Costin-Tudor GADEI | Romania | 662 | |
| Matthew Gilzene / Nardica Phillips | Jamaica | 657 | |
| ASILA AL MAAMARI / MAY AL ISSAEI | Oman | 643 | |

05 Mechanical Engineering CAD

| Name | Member | Result | Award |
|-------------------------|----------------|--------|--------------------------|
| Leonardo Souza | Brazil | 797 | Gold |
| Seung-Bin Im | Korea | 776 | Silver |
| Jenifer Cardona Guevara | Colombia | 742 | Bronze |
| Chuzhen Lin | China | 735 | Medallion for Excellence |
| WEN-SHENG LI | Chinese Taipei | 727 | Medallion for Excellence |
| Tatsuya Numahata | Japan | 722 | Medallion for Excellence |
| Stanislav Dzhumaniazov | Russia | 720 | Medallion for Excellence |
| Raoul Surprenant | Canada | 719 | Medallion for Excellence |
| Adrien MARY | France | 716 | Medallion for Excellence |
| Morteza Omid | Iran | 716 | Medallion for Excellence |
| Nathan Samansanti | Thailand | 716 | Medallion for Excellence |

05 Mechanical Engineering CAD

| Name | Member | Result | Award |
|-----------------------------|--------------------------|--------|--------------------------|
| Gregorius Giga Abdipatria | Indonesia | 712 | Medallion for Excellence |
| Vu Trong Dat | Vietnam | 705 | Medallion for Excellence |
| Simon Herzog | Switzerland | 703 | Medallion for Excellence |
| Mike Ade | Austria | 701 | Medallion for Excellence |
| Yi Ci Tey | Singapore | 700 | Medallion for Excellence |
| Ross Megahy | United Kingdom | 696 | |
| Ike Vermeulen | Netherlands | 695 | |
| Ting Fung Chan | Hong Kong, China | 688 | |
| Xenophon Das | India | 687 | |
| Megat Muhammad Nurhan Munir | Malaysia | 685 | |
| Francisco Oliveira | Portugal | 682 | |
| Ben Campbell | United States of America | 675 | |
| Uladzislau Dzervan | Belarus | 668 | |
| Patrick Sanin | South Tyrol, Italy | 666 | |
| Sergio PINILLOS | Spain | 661 | |
| Denis Zorin | Kazakhstan | 660 | |
| Theo Zemack | Sweden | 649 | |
| Andre Campbell | Jamaica | 639 | |
| Mohamed Al Harthy | Oman | 636 | |
| Carlos Omar Flores Negrete | Mexico | 631 | |

06 CNC Turning

| Name | Member | Result | Award |
|-----------------------------|----------------|--------|--------------------------|
| Xiaocheng Huang | China | 766 | Gold |
| Lukas Albert Muth | Switzerland | 751 | Silver |
| Leonardo Escola | Brazil | 750 | Silver |
| Miho Kumon | Japan | 749 | Silver |
| Wuttichai Pligsang | Thailand | 745 | Medallion for Excellence |
| Deuk-Hee Jung | Korea | 744 | Medallion for Excellence |
| Casper Rasmussen | Denmark | 730 | Medallion for Excellence |
| Egor Zhadan | Russia | 728 | Medallion for Excellence |
| Simon Pankratz | Germany | 726 | Medallion for Excellence |
| CHUNG HSUAN LIN | Chinese Taipei | 722 | Medallion for Excellence |
| Alexander Absmann | Austria | 719 | Medallion for Excellence |
| Phan Van Quoc | Vietnam | 717 | Medallion for Excellence |
| Alex Ong | Singapore | 708 | Medallion for Excellence |
| Gabriel SAINTRAIS | France | 702 | Medallion for Excellence |
| Niko Mähönen | Finland | 698 | |
| Jan Willem ten Hag | Netherlands | 698 | |
| Abinash Swain | India | 697 | |
| Jack McCarthy | United Kingdom | 697 | |
| DZMITRY HRUK | Belarus | 692 | |
| Markus Hansson | Sweden | 686 | |
| Sondre A. Larsen | Norway | 685 | |
| Rashad Ali | Canada | 683 | |
| Adrian Moonsamy | South Africa | 682 | |
| Tsogtsaikhan Tumurbaatar | Mongolia | 680 | |
| Dimas Alvian Putra Setiawan | Indonesia | 679 | |
| Erika Paola Suarez Suarez | Colombia | 678 | |
| Temirlan Orynov | Kazakhstan | 674 | |
| Eyas Al-Maqbali | Oman | 663 | |

07 CNC Milling

| Name | Member | Result | Award |
|-------------------------------------|-------------------------------|--------|--------------------------|
| Zhenji Tian | China | 729 | Gold |
| Seong-Min Kim | Korea | 726 | Silver |
| Yuto Kikuchi | Japan | 726 | Silver |
| Truong The Dieu | Vietnam | 725 | Silver |
| Patcharapol Sugkong | Thailand | 723 | Bronze |
| Mike Fink | Austria | 722 | Medallion for Excellence |
| Allan Scholze | Brazil | 721 | Medallion for Excellence |
| Markus Hintermann | Switzerland | 718 | Medallion for Excellence |
| Arvian Iswahyudi | Indonesia | 718 | Medallion for Excellence |
| WEI-SIANG LIN | Chinese Taipei | 714 | Medallion for Excellence |
| Rui Carvalho | Portugal | 710 | Medallion for Excellence |
| Jian Xing Lin | Singapore | 704 | Medallion for Excellence |
| Tim Baur | Germany | 702 | Medallion for Excellence |
| Luzian Clavadetscher | Principality of Liechtenstein | 700 | Medallion for Excellence |
| Elliot Dawson | United Kingdom | 700 | Medallion for Excellence |
| Jordan PLATZ | France | 700 | Medallion for Excellence |
| Keven Tremblay | Canada | 694 | |
| Kristoffer Seger | Sweden | 691 | |
| Jonathan Francisco Hernandez Vitela | Mexico | 687 | |
| Ganesan Ramakrishnan | India | 684 | |
| Sebastian Castro Vargas | Colombia | 681 | |
| Scott May | United States of America | 680 | |
| Daniel van Voorthuizen | Netherlands | 679 | |
| Stefan Đurić | Croatia | 679 | |
| Guillermo MARTÍNEZ | Spain | 677 | |
| RAFIQ AFIFI | Morocco | 675 | |
| MIKITA KLIUCHNIK | Belarus | 675 | |
| Alejandro Roa | Chile | 672 | |
| Abdul Rahman Al-hajri | Oman | 671 | |
| Patryk Rudź | Poland | 665 | |
| Mikhail Vorontcov | Russia | 232 | |

08 Architectural Stonemasonry

| Name | Member | Result | Award |
|--------------------------------|----------------|--------|--------------------------|
| Quan Zheng | China | 743 | Gold |
| Sebastian Rudolf Wienerroither | Austria | 736 | Silver |
| Allan BONTEMPS | France | 735 | Silver |
| Ilmir Saitbatalov | Russia | 710 | Medallion for Excellence |
| Krisztian Balogh | Hungary | 705 | Medallion for Excellence |
| San Lee | Korea | 700 | Medallion for Excellence |
| Nikolas Costa | Brazil | 698 | |
| Ethan Conlon | United Kingdom | 691 | |
| Julian Wally | Germany | 680 | |
| Max Kohli | Switzerland | 676 | |
| Keigo Ueda | Japan | 658 | |

09 IT Software Solutions for Business

| Name | Member | Result | Award |
|---------------------------|-------------------------------|--------|--------------------------|
| JIA-HE TU | Chinese Taipei | 754 | Gold |
| Hengky Sanjaya | Indonesia | 751 | Silver |
| Mahyar Jabari | Iran | 742 | Bronze |
| Gabriel Ribeiro | Brazil | 737 | Medallion for Excellence |
| Yidong Wang | China | 737 | Medallion for Excellence |
| Min-Ji Lee | Korea | 736 | Medallion for Excellence |
| Kai Qi Yong | Singapore | 725 | Medallion for Excellence |
| Ka Hei Chao | Macao, China | 720 | Medallion for Excellence |
| Kristina Zheltova | Russia | 719 | Medallion for Excellence |
| Bryan Tabinas | Switzerland | 718 | Medallion for Excellence |
| Eemil Ahonen | Finland | 718 | Medallion for Excellence |
| Tran Van Phuc | Vietnam | 714 | Medallion for Excellence |
| Chuan Chuan You | Malaysia | 712 | Medallion for Excellence |
| Gursheesh Singh Chawla | India | 700 | Medallion for Excellence |
| ADRIAN FARID RUIZ MONTAÑA | Colombia | 699 | |
| Josip Horvat | Croatia | 699 | |
| Benjamin Frost | Germany | 697 | |
| Chung Pan Guenter Wong | Hong Kong, China | 696 | |
| Dominik Manser | Principality of Liechtenstein | 686 | |
| Toshio Sugawara | Japan | 682 | |
| HAMZA MOUKHLIS | Morocco | 682 | |
| Abdul Rahman Ba Nabila | United Arab Emirates | 676 | |
| Anthony Cabigayan | Philippines | 673 | |
| Maxim Sokolovskiy | Kazakhstan | 659 | |
| Uladzislau Komar | Belarus | 654 | |
| Loay Al-Habsi | Oman | 651 | |
| Nkosinathi Mabuza | South Africa | 643 | |

10 Welding

| Name | Member | Result | Award |
|----------------------------------|--------------------------|--------|--------------------------|
| Fubo Zhao | China | 734 | Gold |
| Vladimir Baboshkin | Russia | 733 | Gold |
| Ralph Crespo | Brazil | 727 | Bronze |
| Yuta Yoshida | Japan | 725 | Bronze |
| Won-Jin Choi | Korea | 725 | Bronze |
| Ryan Fincher | United States of America | 723 | Medallion for Excellence |
| CHUNG-YI KUO | Chinese Taipei | 718 | Medallion for Excellence |
| Salyan Alqosimi | Indonesia | 718 | Medallion for Excellence |
| Adam Sebastian | Canada | 716 | Medallion for Excellence |
| Saranpong Ditsanon | Thailand | 716 | Medallion for Excellence |
| Mohamad Amrol Amin Mohamad Zamri | Malaysia | 714 | Medallion for Excellence |
| Oyun-Erdene Tumurkhuyag | Mongolia | 711 | Medallion for Excellence |
| Hugo Rijsman | Netherlands | 709 | Medallion for Excellence |
| André Pedrosa | Portugal | 707 | Medallion for Excellence |
| Koteshwar Reddy Golipally | India | 704 | Medallion for Excellence |
| Miika Viitala | Finland | 704 | Medallion for Excellence |
| Stefan Lottering | South Africa | 703 | Medallion for Excellence |
| Axel Gustafsson | Sweden | 702 | Medallion for Excellence |
| Christopher Kehoe | Ireland | 700 | Medallion for Excellence |
| Magnhild Birgitte Vanebo | Norway | 700 | Medallion for Excellence |
| Matt Nielsen | New Zealand | 693 | |

10 Welding

| Name | Member | Result | Award |
|---------------------------------|--------------------|--------|-------|
| Le Trung Hieu | Vietnam | 693 | |
| Raúl MARTÍN | Spain | 688 | |
| KEVIN JAIR DE LA CRUZ CERVANTES | Colombia | 686 | |
| Zhanarys Elipbayev | Kazakhstan | 686 | |
| Yves Van Bogaert | Belgium | 678 | |
| Sebastian Zenhäusern | Switzerland | 676 | |
| Aliaksandr Fralou | Belarus | 674 | |
| Lukas Stiegelbauer | Austria | 674 | |
| Hassan Hussain Alrashed | Saudi Arabia | 670 | |
| Artem Sapelkin | Estonia | 668 | |
| Tuk Leung Lam | Hong Kong, China | 663 | |
| MAZIN AL-KAHALI | Oman | 658 | |
| Zwierzchowski Sebastian | Poland | 656 | |
| Peter Mwetunyenena | Namibia | 652 | |
| Ricardo Dean Campbell | Jamaica | 649 | |
| sayed alhashemi | Kuwait | 647 | |
| Sayed Abbas | Kingdom of Bahrain | 645 | |

11 Print Media Technology

| Name | Member | Result | Award |
|-------------------------|--------------------------|--------|--------------------------|
| Christof Babinger | Austria | 726 | Gold |
| Elizaveta Stepanova | Russia | 725 | Gold |
| Dario Colucci | Switzerland | 721 | Bronze |
| Zaijie Zhang | China | 712 | Medallion for Excellence |
| Thomas BESSON | France | 710 | Medallion for Excellence |
| Ryuya Yuji | Japan | 709 | Medallion for Excellence |
| Andressa Souza | Brazil | 708 | Medallion for Excellence |
| Jessica Sturm | Germany | 700 | Medallion for Excellence |
| Brittany Whitestone | United States of America | 692 | |
| Chun Leung Lai | Hong Kong, China | 683 | |
| Shrenik Jitendra Gugale | India | 680 | |
| Igor Yegorov | Kazakhstan | 677 | |
| Katariina Komulainen | Finland | 673 | |
| Clément Démoncourt | Belgium | 667 | |
| Jelizaveta Tšuvpilo | Estonia | 652 | |

12 Wall and Floor Tiling

| Name | Member | Result | Award |
|-----------------------------|--------------------|--------|--------------------------|
| Janis Gentner | Germany | 736 | Gold |
| Renato Leo Meier | Switzerland | 735 | Gold |
| Daniil Shmydov | Russia | 723 | Bronze |
| Lucas Gomes | Brazil | 722 | Bronze |
| Mohammed Rabith Kunnampalli | India | 720 | Medallion for Excellence |
| Samuel Birk Axelsen | Denmark | 719 | Medallion for Excellence |
| Jonas Lutz | South Tyrol, Italy | 719 | Medallion for Excellence |
| Xuefeng Zhang | China | 712 | Medallion for Excellence |
| Florian Franz Scheucher | Austria | 709 | Medallion for Excellence |
| Hwan-Woo Kim | Korea | 709 | Medallion for Excellence |

12 Wall and Floor Tiling

| Name | Member | Result | Award |
|---|------------------|--------|--------------------------|
| Mark Scott | United Kingdom | 709 | Medallion for Excellence |
| WEN-CHENG YANG | Chinese Taipei | 701 | Medallion for Excellence |
| Filip Sandgren | Sweden | 700 | Medallion for Excellence |
| Kanstantsin Berazenska | Belarus | 695 | |
| Vlad CROITORU | France | 695 | |
| Akhmad Sayuti | Indonesia | 691 | |
| Saharath Ngamsuk | Thailand | 680 | |
| Duong Quang Huy | Vietnam | 679 | |
| Markus Hanson | Estonia | 672 | |
| Wing Kit CHAN | Hong Kong, China | 672 | |
| Che Wan Mohamad Amierwan Che Wan Md. Amin | Malaysia | 669 | |
| Anderson Carvajal Martinez | Colombia | 662 | |
| Daan Hooglugt | Netherlands | 651 | |
| Sabyrzhan Duisenbekov | Kazakhstan | 650 | |
| Uendjipa Tjipe | Namibia | 618 | |

13 Autobody Repair

| Name | Member | Result | Award |
|--------------------|--------------------------|--------|--------------------------|
| Aomen Xu | China | 731 | Gold |
| XIANG-YU YAN | Chinese Taipei | 728 | Silver |
| Arnaud MARANDET | France | 722 | Bronze |
| Koki Kato | Japan | 721 | Bronze |
| Sandro Sägesser | Switzerland | 720 | Bronze |
| Maksim Kruglov | Russia | 719 | Medallion for Excellence |
| Simon Jacobsen | Denmark | 714 | Medallion for Excellence |
| Jae-Min Choi | Korea | 710 | Medallion for Excellence |
| Lucas Gomes | Brazil | 709 | Medallion for Excellence |
| Suraj xxxx | India | 705 | Medallion for Excellence |
| Arne Berre | Norway | 700 | Medallion for Excellence |
| Oskar Thulin | Sweden | 695 | |
| Aleksi Mastosalo | Finland | 694 | |
| David Fors | United States of America | 690 | |
| Dominik Eidler | Austria | 688 | |
| Yauheni Papkou | Belarus | 679 | |
| Muhammad Afzal | Canada | 677 | |
| Gabriel TUDOR | Spain | 676 | |
| Jacobus Coetzee | South Africa | 666 | |
| Kasym Yestaev | Kazakhstan | 664 | |
| Daffa Naufal Putra | Indonesia | 656 | |

14 Aircraft Maintenance

| Name | Member | Result | Award |
|---------------------|----------------|--------|--------------------------|
| Haydn Jakes | United Kingdom | 746 | Gold |
| Nikolay Pilyushenko | Russia | 743 | Silver |
| Zhongsheng Ye | China | 742 | Silver |
| CHENG-TING CHANG | Chinese Taipei | 720 | Medallion for Excellence |
| Grégoire Michetti | Canada | 710 | Medallion for Excellence |
| Jun Wei Lau | Singapore | 708 | Medallion for Excellence |

14 Aircraft Maintenance

| Name | Member | Result | Award |
|--------------------|--------------------------|--------|--------------------------|
| Cormac Thompson | Ireland | 704 | Medallion for Excellence |
| Gabriel Hoffmann | Brazil | 704 | Medallion for Excellence |
| David Petersson | Sweden | 696 | |
| Jack Westcott | New Zealand | 695 | |
| Julien GENIBEL | France | 689 | |
| Yeon-Ho Kim | Korea | 679 | |
| Alex Millikan | United States of America | 668 | |
| Sri Ganesha Ananda | India | 663 | |
| IDREES ALHEJJI | Saudi Arabia | 630 | |
| Ahmad Mlima | South Africa | 629 | |

15 Plumbing and Heating

| Name | Member | Result | Award |
|-------------------------------|-------------------------------|--------|--------------------------|
| Wooeui Jo | Korea | 750 | Gold |
| Yingzheng Yang | China | 735 | Silver |
| Patrick Keating | Australia | 726 | Bronze |
| Patrick Grepper | Switzerland | 724 | Bronze |
| Dominik Philipp | Germany | 723 | Medallion for Excellence |
| Nicola Batliner | Principality of Liechtenstein | 721 | Medallion for Excellence |
| Tsubasa Hakoishi | Japan | 720 | Medallion for Excellence |
| Dimitri BOURGIER | France | 719 | Medallion for Excellence |
| Thomas Thomas | United Kingdom | 716 | Medallion for Excellence |
| Dmitri Malinov | Russia | 714 | Medallion for Excellence |
| Mathias Fill | Austria | 711 | Medallion for Excellence |
| Anton Hasenstrauch | Sweden | 707 | Medallion for Excellence |
| Raimundo Luz Farias | Brazil | 702 | Medallion for Excellence |
| Jack O'Donnell | Ireland | 702 | Medallion for Excellence |
| Sander Damsma | Netherlands | 700 | Medallion for Excellence |
| CHE-WEI HSU | Chinese Taipei | 700 | Medallion for Excellence |
| Balazs Mate Torok | Hungary | 700 | Medallion for Excellence |
| Mario GONZÁLEZ | Spain | 696 | |
| Dashderem Sukhgerel | Mongolia | 693 | |
| Juhana Pitkälä | Finland | 689 | |
| Chi Wan Ng | Hong Kong, China | 683 | |
| Lauren Phillips | New Zealand | 680 | |
| Taylor Oliver-McCallum | Canada | 679 | |
| Timothy Girouard | United States of America | 677 | |
| Himanshu Vohra | India | 668 | |
| Aliaksandr Luksha | Belarus | 663 | |
| Muhammad Fauzi Mustaqim Akkas | Indonesia | 659 | |
| Kegan Lucas | South Africa | 653 | |
| Damir Iskandarov | Kazakhstan | 651 | |
| Kotokeni Ngolonga | Namibia | 647 | |

16 Electronics

| Name | Member | Result | Award |
|---------------------------------|----------------------|--------|--------------------------|
| Pan Liang | China | 729 | Gold |
| Florian Baumgartner | Switzerland | 727 | Gold |
| Yuma Kitamoto | Japan | 725 | Bronze |
| Lin Chang | Chinese Taipei | 725 | Bronze |
| Igor Kotsiuba | Russia | 721 | Medallion for Excellence |
| Manzel Joseph Seet | Singapore | 720 | Medallion for Excellence |
| Do-Gil Lee | Korea | 715 | Medallion for Excellence |
| Nathan Pacifico | Brazil | 710 | Medallion for Excellence |
| Simon Dorrer | Austria | 710 | Medallion for Excellence |
| Mukhamad Khoirul Abdulloh | Indonesia | 708 | Medallion for Excellence |
| Joonatan Kivelä | Finland | 701 | Medallion for Excellence |
| Thomas Andrews | United Kingdom | 700 | Medallion for Excellence |
| Man Fong Ng | Macao, China | 700 | Medallion for Excellence |
| Mohamed Alsuwaidi | United Arab Emirates | 698 | |
| Manoj Kumar | India | 698 | |
| Aaron Striegel | Germany | 690 | |
| ARTEM SEMIRENKO | Belarus | 686 | |
| Muhammad Hasbul Arman Bin Azhar | Malaysia | 678 | |
| Nguyen Duy Hieu | Vietnam | 674 | |
| Erik Rodríguez | Spain | 673 | |
| Pavel Fetisov | Kazakhstan | 671 | |
| YOUSRA ASSALI | Morocco | 671 | |
| Abdullah al dhahli | Oman | 669 | |
| Adrian Shackelford | Jamaica | 669 | |

17 Web Technologies

| Name | Member | Result | Award |
|-------------------------------|--------------------------|--------|--------------------------|
| Un-Ho Lee | Korea | 737 | Gold |
| Pranav Udayark Nutalapati | India | 733 | Silver |
| Nicolas Ettlin | Switzerland | 733 | Silver |
| I-CHIH LIN | Chinese Taipei | 732 | Silver |
| Pei Qi Tea | Singapore | 726 | Medallion for Excellence |
| Luki Centuri | Indonesia | 726 | Medallion for Excellence |
| Ivan Zhukov | Russia | 726 | Medallion for Excellence |
| Gildson Hugo Santos Silva | Brazil | 725 | Medallion for Excellence |
| Jiale Feng | China | 723 | Medallion for Excellence |
| Kuen Yuet Cheung | Hong Kong, China | 722 | Medallion for Excellence |
| Akos Balogh | Hungary | 720 | Medallion for Excellence |
| Ngai Seng Chan | Macao, China | 720 | Medallion for Excellence |
| ALIAKSEI KRUPSKI | Belarus | 709 | Medallion for Excellence |
| Hossein Maktoobian Baharanchi | Iran | 708 | Medallion for Excellence |
| Kanaya Abe | Japan | 705 | Medallion for Excellence |
| Le Thanh Duong | Vietnam | 701 | Medallion for Excellence |
| Patrick Neil Noceja | Philippines | 699 | |
| Oscar Amado | Colombia | 698 | |
| Matthew Vreman | United States of America | 698 | |
| SOUFIANE LAKHMASSE | Morocco | 694 | |
| Heikki Miinalainen | Finland | 693 | |
| Sultan Ahmed | United Arab Emirates | 692 | |
| Haorui Zhang | Canada | 692 | |
| Ali Abusufean | Austria | 688 | |
| David Sohl | Sweden | 686 | |

17 Web Technologies

| Name | Member | Result | Award |
|--------------------------------|------------|--------|-------|
| David Franco | Spain | 685 | |
| Ismail Simanov | Kazakhstan | 681 | |
| Manuel Ilie Dorca | Romania | 679 | |
| KHALFAN AL-BUSAIDI | Oman | 677 | |
| David Humberto Víquez Valverde | Costa Rica | 676 | |
| Antonio Grosz | Germany | 675 | |
| Nancy Martinez Rangel | Mexico | 655 | |

18 Electrical Installations

| Name | Member | Result | Award |
|---------------------------|----------------------|--------|--------------------------|
| Xingxing Xiao | China | 770 | Gold |
| YU-JING LIN | Chinese Taipei | 752 | Silver |
| Dmtrii Kostin | Russia | 751 | Silver |
| Carlos Brys | Brazil | 749 | Bronze |
| Germar Unterweger | South Tyrol, Italy | 749 | Bronze |
| Pil-Seong Jeon | Korea | 748 | Medallion for Excellence |
| Takao Shimizu | Japan | 748 | Medallion for Excellence |
| Kin Kun Lam | Macao, China | 742 | Medallion for Excellence |
| jasper Olthuis | Netherlands | 731 | Medallion for Excellence |
| Boije Widrig | Switzerland | 723 | Medallion for Excellence |
| Lorang Strand | Norway | 720 | Medallion for Excellence |
| Thanatep Paimsuk | Thailand | 713 | Medallion for Excellence |
| Stefan Prader | Austria | 709 | Medallion for Excellence |
| Anthony Cobb | Australia | 706 | Medallion for Excellence |
| Istvan Krehely | Hungary | 705 | Medallion for Excellence |
| Amir Syazwan Saridan | Malaysia | 702 | Medallion for Excellence |
| Yu Tai Chan | Hong Kong, China | 702 | Medallion for Excellence |
| Thomas Lewis | United Kingdom | 700 | Medallion for Excellence |
| Omar Ba Nabila | United Arab Emirates | 700 | Medallion for Excellence |
| Zhi Cheng Koh | Singapore | 700 | Medallion for Excellence |
| John Jay Abinal | Philippines | 699 | |
| Firli Rizki Nur Adha | Indonesia | 699 | |
| Valentin RIOBE | France | 698 | |
| Vaibhav Suresh Raut | India | 696 | |
| Hamidreza Rezaei | Iran | 690 | |
| Ryan Folk | Canada | 689 | |
| Glen McNamara | Ireland | 683 | |
| ANDREI YERMAK | Belarus | 681 | |
| Kai Lukas Rigterink | Germany | 680 | |
| Philile Mngadi | South Africa | 678 | |
| Vitalijs Voiskovics | Latvia | 675 | |
| AYOUB QUIBOU | Morocco | 669 | |
| Nguyen Van Minh | Vietnam | 665 | |
| Renchin-Ochir Erdnenbileg | Mongolia | 660 | |
| Denis Sharypov | Kazakhstan | 657 | |
| AL-YAZID AL-YAZEEDI | Oman | 650 | |
| Cristhian CASTAÑEDA | Spain | 635 | |

19 Industrial Control

| Name | Member | Result | Award |
|--------------------------------|----------------|--------|--------------------------|
| Sumin Yang | Korea | 740 | Gold |
| Thomas Martin Fredrik Lindelöw | Sweden | 732 | Silver |
| Jiangtao He | China | 729 | Bronze |
| Stefan Anton Lamminger | Germany | 726 | Medallion for Excellence |
| Michael Schranz | Switzerland | 715 | Medallion for Excellence |
| Shota Kayahara | Japan | 708 | Medallion for Excellence |
| Lodi Joyo Siswanto | Indonesia | 707 | Medallion for Excellence |
| Rui Manuel Pereira Martins | Portugal | 702 | Medallion for Excellence |
| Felipe Garcia de Almeida | Brazil | 698 | |
| Vladislav Grachev | Russia | 695 | |
| JUNG-ERH CHANG | Chinese Taipei | 686 | |
| Andre Pemberger | Austria | 685 | |
| Jing Bo Tan | Singapore | 647 | |
| Robert Pope McMahon | Canada | 618 | |
| Alejandro Torrejon Harto | Spain | 600 | |
| NICOLAS Agustin RIOS Berrios | Chile | 585 | |

20 Bricklaying

| Name | Member | Result | Award |
|----------------------------------|--------------------------|--------|--------------------------|
| Zifeng Chen | China | 753 | Gold |
| Marc Berndorfer | Austria | 745 | Silver |
| Hannes Pircher | South Tyrol, Italy | 739 | Bronze |
| SERGEI KHERKUN | Russia | 734 | Medallion for Excellence |
| Christoph Rapp | Germany | 733 | Medallion for Excellence |
| Jérôme Colin Hug | Switzerland | 730 | Medallion for Excellence |
| Si-Woo Park | Korea | 720 | Medallion for Excellence |
| Erik Hop | Netherlands | 714 | Medallion for Excellence |
| Nikolaj Skydsgaard Hansen | Denmark | 713 | Medallion for Excellence |
| Paul Coon | Australia | 713 | Medallion for Excellence |
| HSIANG-SHUN CHANG | Chinese Taipei | 710 | Medallion for Excellence |
| Bui Duy Kiem | Vietnam | 708 | Medallion for Excellence |
| Lewis Greenwood | United Kingdom | 707 | Medallion for Excellence |
| Muhammad Amierul Aliff Abd. Aziz | Malaysia | 706 | Medallion for Excellence |
| Md Ramjan Momin | India | 702 | Medallion for Excellence |
| Emanuel da Cruz | Brazil | 700 | Medallion for Excellence |
| Jérémy FOURNIER | France | 699 | |
| Tawan Chithoradee | Thailand | 698 | |
| Muhlis Muhlis | Indonesia | 694 | |
| Ryan Mc Loughlin | Ireland | 687 | |
| Ankh-Uchral Gantulga | Mongolia | 683 | |
| Kelby Thornton | United States of America | 681 | |
| Veiko Kook | Estonia | 677 | |
| Julien Ramlot | Belgium | 676 | |
| Andrei Trafimau | Belarus | 676 | |
| Akos Marko | Hungary | 672 | |
| Antonio Neufeld | Canada | 668 | |
| Dinmukhanbet Aral | Kazakhstan | 648 | |
| Albert Ahlenius | Sweden | 640 | |
| Mncedisi Mkhalihi | South Africa | 639 | |
| Karlush Kamanya | Namibia | 637 | |

21 Plastering and Drywall Systems

| Name | Member | Result | Award |
|-------------------|----------------|--------|--------------------------|
| Imran Tochiev | Russia | 768 | Gold |
| Yuzhou Gao | China | 738 | Silver |
| Samy TRABELSI | France | 731 | Bronze |
| Loris Glauser | Switzerland | 729 | Bronze |
| Luan Braga | Brazil | 724 | Medallion for Excellence |
| Hwi-Gu Kang | Korea | 716 | Medallion for Excellence |
| WEI-JHIH WANG | Chinese Taipei | 706 | Medallion for Excellence |
| Tobias Schmider | Germany | 701 | Medallion for Excellence |
| Mikita Samsonchyk | Belarus | 699 | |
| Curtis Johnston | United Kingdom | 686 | |
| Kouhei Maebashi | Japan | 686 | |
| Viktor Vesselov | Kazakhstan | 683 | |
| Jeffrey Stuver | Netherlands | 681 | |
| Dorian Graf | Austria | 678 | |
| RAJIREDDY METHUKU | India | 668 | |
| Gergo Berta | Hungary | 660 | |

22 Painting and Decorating

| Name | Member | Result | Award |
|--------------------------|-------------------------------|--------|--------------------------|
| Stefan Planitzer | Austria | 775 | Gold |
| Daniela Ziller | Switzerland | 751 | Silver |
| Mathilde MORTIER | France | 743 | Bronze |
| Jun Li | China | 725 | Medallion for Excellence |
| Jessica Jörges | Germany | 721 | Medallion for Excellence |
| Valeriia Balvanova | Russia | 721 | Medallion for Excellence |
| Dominik Miribung | South Tyrol, Italy | 719 | Medallion for Excellence |
| CHIH-HENG LIU | Chinese Taipei | 718 | Medallion for Excellence |
| Callum Bonner | United Kingdom | 707 | Medallion for Excellence |
| Kamilla Højrup | Denmark | 705 | Medallion for Excellence |
| Olivér Simon | Hungary | 700 | Medallion for Excellence |
| Desirée Ackermann | Principality of Liechtenstein | 700 | Medallion for Excellence |
| Art Arbsuwan | Sweden | 697 | |
| Reetta Härkönen | Finland | 693 | |
| Gabriel Santos | Brazil | 690 | |
| Katrin Ansper | Estonia | 685 | |
| Job Budding | Netherlands | 682 | |
| Sahil Kapil | India | 659 | |
| Ayan Sisenov | Kazakhstan | 656 | |
| Ahmad Naim Mohamad Rosli | Malaysia | 653 | |
| Dhabia Alqubaisi | United Arab Emirates | 633 | |
| FATEMA AL-ISSAEI | Oman | 591 | |

23 Mobile Robotics

| Name | Member | Result | Award |
|---------------------------------|--------|--------|--------------------------|
| Gengjun Hu / Qiyuan Zheng | China | 763 | Gold |
| Dong-Chan Jeon / Hyun-Woo An | Korea | 760 | Silver |
| Oskar Arslanov / Emil Miftakhov | Russia | 757 | Bronze |
| Yuto Shimizu / Jun Nakanishi | Japan | 751 | Medallion for Excellence |

23 Mobile Robotics

| Name | Member | Result | Award |
|---|----------------------|--------|--------------------------|
| ZhanYang Lin / Hio Cheng Chong | Macao, China | 745 | Medallion for Excellence |
| CHIA-HSIANG HO / PO-SHENG HUANG | Chinese Taipei | 742 | Medallion for Excellence |
| Émerson Moraes / Cristiano Nunes | Brazil | 738 | Medallion for Excellence |
| Pedro Pereira / Luka Zandarashvili | Portugal | 715 | Medallion for Excellence |
| Alexander Kappler / Leo Michael Moser | Austria | 714 | Medallion for Excellence |
| Siu Leung Law / Wai Kit Ricky Lee | Hong Kong, China | 712 | Medallion for Excellence |
| Omkar Shivaling Gurav / Rohan Ravindra Hanagi | India | 705 | Medallion for Excellence |
| Karim Ait-Allaoua / Herman Muller | Canada | 705 | Medallion for Excellence |
| Terrence Yoong / Aquila Ng | Singapore | 700 | Medallion for Excellence |
| Kan Nakaiaim / Kiattisak Saleewong | Thailand | 694 | |
| Emiro José Beltrán Díaz / Cristian Stiven Calle Pérez | Colombia | 693 | |
| Wahyu Arga Pratama / Muhamad Rizqi Pratama | Indonesia | 690 | |
| Ali Monir / Mohammad Alhashmi | United Arab Emirates | 689 | |
| Abrar al-shaaili / Shurooq al-habsi | Oman | 687 | |
| Anton Pomorzin / Vitaliy Lyubenko | Kazakhstan | 682 | |
| Ivan Dukhovich / Vadzim Padlipskou | Belarus | 680 | |
| MOUAD CHIT / ADAM KHECHCHAB | Morocco | 679 | |
| Alexander Goldhill / Eetu Silvennoinen | Finland | 678 | |
| Mthokozisi Mabena / Frank Moleha | South Africa | 675 | |
| Jenelle Corrone Hinds / Dihanroy Mitchell | Jamaica | 675 | |
| Alexis De La Tejera Reyes / Miguel Gonzalez Gonzalez | Mexico | 673 | |

24 Cabinetmaking

| Name | Member | Result | Award |
|------------------------|--------------------|--------|--------------------------|
| Krisztian Simon | Hungary | 737 | Gold |
| Samanta Tatjana Kämpf | Switzerland | 732 | Silver |
| Jinqing Wu | China | 732 | Silver |
| Robin FRANCOISE | France | 728 | Medallion for Excellence |
| Eun-Young Choi | Korea | 725 | Medallion for Excellence |
| Joshua Boon | Australia | 720 | Medallion for Excellence |
| Jack Lynch | Ireland | 719 | Medallion for Excellence |
| Manuel Steiner | South Tyrol, Italy | 719 | Medallion for Excellence |
| Tomohiro Yamaguchi | Japan | 718 | Medallion for Excellence |
| Taylor Desjardins | Canada | 717 | Medallion for Excellence |
| TENG-FENG CHIANG | Chinese Taipei | 715 | Medallion for Excellence |
| João Oliveira | Brazil | 713 | Medallion for Excellence |
| Johannes Bänsch | Germany | 707 | Medallion for Excellence |
| Robbe Meyvis | Belgium | 704 | Medallion for Excellence |
| Guus van Velthuijsen | Netherlands | 703 | Medallion for Excellence |
| Aleksei Sevastianov | Russia | 697 | |
| Mahdi Moradmamand | Iran | 688 | |
| Kristaps Eglitis | Latvia | 686 | |
| Ardan Fais Ramadhan | Indonesia | 682 | |
| Snorre Steenstrup Dyhr | Denmark | 681 | |
| Owen Aldous | United Kingdom | 680 | |
| Martin Golautschnik | Austria | 675 | |
| Keshar Singh Rajput | India | 673 | |
| Piyarach Jara | Thailand | 667 | |

24 Cabinetmaking

| Name | Member | Result | Award |
|------------------------|--------------------------|--------|-------|
| Brais MOSQUERA | Spain | 665 | |
| Yury Nakhodzka | Belarus | 664 | |
| Ethan Harrison | United States of America | 663 | |
| Eemeli Polvela | Finland | 655 | |
| Joerdan Jesselly James | Malaysia | 650 | |
| Hani Al-Saibai | Oman | 616 | |

25 Joinery

| Name | Member | Result | Award |
|----------------------------|------------------|--------|--------------------------|
| Alexis NUE | France | 740 | Gold |
| Sang-Hyeon Lee | Korea | 735 | Silver |
| Jérémie Droz | Switzerland | 732 | Bronze |
| Julian Hannes Fink | Austria | 730 | Bronze |
| Florian Meigel | Germany | 728 | Medallion for Excellence |
| CHIEN-HSIN LIN | Chinese Taipei | 724 | Medallion for Excellence |
| Zixi Zhai | China | 724 | Medallion for Excellence |
| Andrei Potapov | Russia | 715 | Medallion for Excellence |
| Martin Fekete | Hungary | 709 | Medallion for Excellence |
| Thomas Neave | Australia | 709 | Medallion for Excellence |
| Marcos Aurelio Jr. | Brazil | 709 | Medallion for Excellence |
| Christopher Caine | United Kingdom | 704 | Medallion for Excellence |
| Ferdi Nurriansyah | Indonesia | 696 | |
| Muhammad Yusri Aiman Nasir | Malaysia | 691 | |
| Mark Wasson | Ireland | 686 | |
| ARTUR KARALKOU | Belarus | 685 | |
| Koki Akutsu | Japan | 684 | |
| Cheuk Hei Wu | Hong Kong, China | 681 | |
| Batbuyan Namsrai | Mongolia | 680 | |
| Steffen Slott Jørgensen | Denmark | 680 | |
| Oier NEOL | Spain | 679 | |
| Allan DENEUKER | Belgium | 677 | |
| Vikash Kumar Naga | India | 675 | |
| Hiskia Malakia | Namibia | 656 | |

26 Carpentry

| Name | Member | Result | Award |
|----------------------|--------------------|--------|--------------------------|
| Alexander Bruns | Germany | 725 | Gold |
| O-Hyeon Kwon | Korea | 720 | Silver |
| Rafael Bieler | Switzerland | 720 | Silver |
| Matthias Grunser | South Tyrol, Italy | 720 | Silver |
| Baptiste MENESTRELLO | France | 719 | Silver |
| Daniil Sinitcyn | Russia | 711 | Medallion for Excellence |
| Pan Yongjian | China | 708 | Medallion for Excellence |
| Thomas Friesenecker | Austria | 700 | Medallion for Excellence |
| Daiki Iwahara | Japan | 687 | |
| Mikkel Victor Larsen | Denmark | 685 | |
| Hayden Dillon | Australia | 660 | |
| Lucas Abdon | Brazil | 649 | |
| Robin Berkhout | Netherlands | 635 | |
| Jack Goodrum | United Kingdom | 632 | |
| DZIANIS SHYNKEVICH | Belarus | 568 | |

27 Jewellery

| Name | Member | Result | Award |
|-----------------------|------------------|--------|--------------------------|
| Aleksandr Emelin | Russia | 750 | Gold |
| Qiliang Chen | China | 741 | Silver |
| Sanjoy Pramanik | India | 718 | Bronze |
| Reza Abatizadeh | Iran | 716 | Bronze |
| Bae-Yun Lee | Korea | 712 | Medallion for Excellence |
| Nathan Kettle | Australia | 708 | Medallion for Excellence |
| PING-HAN SHEN | Chinese Taipei | 706 | Medallion for Excellence |
| Wing Long Chan | Hong Kong, China | 703 | Medallion for Excellence |
| Victor Ribeiro | Brazil | 697 | |
| Louis DAUXAIS-DE RYCK | France | 697 | |
| Yuta Kojima | Japan | 678 | |
| Nina Petra Kahl | Switzerland | 675 | |
| Signe Skogstjärna | Sweden | 631 | |
| Nur Fatimah Hassan | Malaysia | 614 | |
| Mi Thi Thao Le | Norway | 612 | |
| Mnatsakan Galstyan | Armenia | 579 | |

28 Floristry

| Name | Member | Result | Award |
|-------------------------|--------------------|--------|--------------------------|
| Julia Katharina Leitgeb | Austria | 746 | Gold |
| Lisa Hilpold | South Tyrol, Italy | 745 | Gold |
| Elizaveta Shkimbova | Russia | 744 | Gold |
| Yiwei Lu | China | 744 | Gold |
| Elizabeth Newcombe | United Kingdom | 722 | Medallion for Excellence |
| Audric RONFORT | France | 721 | Medallion for Excellence |
| Chantal Wiedmer | Switzerland | 720 | Medallion for Excellence |
| Ines Senft | Germany | 718 | Medallion for Excellence |
| HAO-CHUN LIU | Chinese Taipei | 707 | Medallion for Excellence |
| Carline Refuge | Netherlands | 701 | Medallion for Excellence |
| Suriyan Romhiran | Thailand | 701 | Medallion for Excellence |
| Maria Yrjölä | Finland | 699 | |
| Szabolcs Kato | Hungary | 698 | |
| Ye-Sul Seo | Korea | 696 | |
| Sut I Si Tou | Macao, China | 692 | |
| Sylwia Leszczyńska | Poland | 692 | |
| Maris Paas | Estonia | 682 | |
| Yuna Igari | Japan | 680 | |
| Jessica Cristina Campos | Brazil | 665 | |
| Jibin Williams | India | 656 | |
| Amir Hamizan Kamal | Malaysia | 647 | |
| Carlos MONTES | Spain | 617 | |

29 Hairdressing

| Name | Member | Result | Award |
|-----------------|----------------|--------|--------------------------|
| Dan Shi | China | 808 | Gold |
| Milana Mikheeva | Russia | 765 | Silver |
| Phoebe McLavy | United Kingdom | 758 | Bronze |
| Seung-Ha Yu | Korea | 753 | Medallion for Excellence |

29 Hairdressing

| Name | Member | Result | Award |
|------------------------------|--------------------------|--------|--------------------------|
| Bruna Silva Rupolo | Brazil | 734 | Medallion for Excellence |
| Nikolett Nagy | Hungary | 724 | Medallion for Excellence |
| JR-YUN NING | Chinese Taipei | 722 | Medallion for Excellence |
| Pun Shing Wong | Hong Kong, China | 719 | Medallion for Excellence |
| Sarah LEROYER | France | 718 | Medallion for Excellence |
| Kseniya Shafranskaya | Belarus | 714 | Medallion for Excellence |
| Rebekah Hagberg | United States of America | 710 | Medallion for Excellence |
| Alexandre Stamatiadis | Belgium | 710 | Medallion for Excellence |
| Miftakul Jannah Rahmadhani | Indonesia | 708 | Medallion for Excellence |
| Esra van der Meer | Netherlands | 705 | Medallion for Excellence |
| Vilaval Chantrarit | Thailand | 703 | Medallion for Excellence |
| Haruka Mizawa | Japan | 702 | Medallion for Excellence |
| Martina Ruzzene | South Tyrol, Italy | 702 | Medallion for Excellence |
| Wilma Augustsson | Sweden | 698 | |
| Seda Türkoglu | Austria | 695 | |
| Eline Henriksen | Norway | 692 | |
| Noorasyiqah Binte Roseli | Singapore | 690 | |
| Utkarsh Kumar | India | 683 | |
| Cristian FERRER | Spain | 682 | |
| Tiia Mökkönen | Finland | 682 | |
| John Leonard Ramos | Philippines | 674 | |
| Richère Bérubé | Canada | 657 | |
| Lyudmila Uporova | Kazakhstan | 643 | |
| Gerelt-Od Narssaikhan | Mongolia | 635 | |
| Juan Esteban Tabares Villada | Colombia | 574 | |
| Wai Tat Hao | Macao, China | 554 | |
| Muningandu Kapukare | Namibia | 534 | |
| Zaria Archer | Barbados | 498 | |
| MARAM ALRAWAHI | Oman | 481 | |
| Nicole Thebus | South Africa | 237 | |

30 Beauty Therapy

| Name | Member | Result | Award |
|------------------------------|----------------|--------|--------------------------|
| Rebecca West | United Kingdom | 766 | Gold |
| Zhenqin Li | China | 762 | Silver |
| Youjin Seo | Korea | 738 | Bronze |
| Ka Kei Hong | Macao, China | 727 | Medallion for Excellence |
| Elizaveta Soplina | Russia | 723 | Medallion for Excellence |
| CHU-HSIN TSAI | Chinese Taipei | 720 | Medallion for Excellence |
| Sawako Nishimura | Japan | 712 | Medallion for Excellence |
| Jessica DEBONG | France | 711 | Medallion for Excellence |
| Isadora Berti Guedes Pereira | Brazil | 708 | Medallion for Excellence |
| Laura Cságoly | Hungary | 708 | Medallion for Excellence |
| Emmie Lindblad | Sweden | 707 | Medallion for Excellence |
| Marie-Soleil Perreault | Canada | 704 | Medallion for Excellence |
| Carla Ribeiro | Portugal | 696 | |
| Vanessa Kow | Singapore | 693 | |
| Mahima Gandhi | India | 693 | |
| Paula Rosa | Spain | 691 | |
| Allanagh O'Sullivan | Ireland | 681 | |
| Cahya Faradiba Ramadhania | Indonesia | 680 | |

30 Beauty Therapy

| Name | Member | Result | Award |
|------------------------|--------------------|--------|-------|
| Esmé Hemmes | Netherlands | 679 | |
| Vanessa Tschümperlin | Switzerland | 678 | |
| Laura Canevotti | South Tyrol, Italy | 677 | |
| Paula Ivanković | Croatia | 667 | |
| Wicharaporn Huncharoen | Thailand | 662 | |
| Bridney Cloete | South Africa | 588 | |

31 Fashion Technology

| Name | Member | Result | Award |
|-----------------------------------|------------------|--------|--------------------------|
| Caiyun Wen | China | 733 | Gold |
| Gabriella Louise dos Santos Silva | Brazil | 730 | Silver |
| YOU-SYUAN KE | Chinese Taipei | 728 | Silver |
| Evelina Altunian | Russia | 724 | Medallion for Excellence |
| Gaël HUNAUULT | France | 724 | Medallion for Excellence |
| Hanafi Bin Osman | Malaysia | 724 | Medallion for Excellence |
| Denise Andrea Stöckli | Switzerland | 723 | Medallion for Excellence |
| Wan I Cheong | Macao, China | 722 | Medallion for Excellence |
| Lisa Aernoudts | Canada | 721 | Medallion for Excellence |
| Geun-Hye Bak | Korea | 717 | Medallion for Excellence |
| Haruka Mikami | Japan | 706 | Medallion for Excellence |
| Melissa Kuisma | Finland | 703 | Medallion for Excellence |
| Yuliya Markevich | Belarus | 703 | Medallion for Excellence |
| Isnaini Wulandari | Indonesia | 702 | Medallion for Excellence |
| ANDREA SANDOVAL MORALES | Colombia | 701 | Medallion for Excellence |
| Alice Baré | Belgium | 700 | Medallion for Excellence |
| Laura Tschiltsch | Austria | 700 | Medallion for Excellence |
| Courtney New | Australia | 698 | |
| Medha Devgan | India | 697 | |
| Pattanapong Mangnoi | Thailand | 693 | |
| Tena Šumski | Croatia | 692 | |
| Farhan Bin Hanis | Singapore | 692 | |
| Pui Yu Ng | Hong Kong, China | 692 | |
| Agnieszka Marynowska | Poland | 681 | |
| Beatriz Soares | Portugal | 680 | |
| Marta LÓPEZ | Spain | 676 | |
| Peabo Sampson | Barbados | 672 | |
| Sharifa Al Bulushi | Oman | 668 | |
| OUMAIMA HARZEM | Morocco | 662 | |
| Viktoriya Karapetyan | Armenia | 643 | |
| Nafisa Sadaf Anchol | Bangladesh | 637 | |
| Zhanaiym Maksut | Kazakhstan | 631 | |

32 Pâtisserie and Confectionery

| Name | Member | Result | Award |
|----------------|----------------|--------|--------------------------|
| Ji-Yun Han | Korea | 746 | Gold |
| Lingyi Zhong | China | 740 | Silver |
| YU-HSIANG HUNG | Chinese Taipei | 736 | Bronze |
| Romain BERT | France | 728 | Medallion for Excellence |

32 Pâtisserie and Confectionery

| Name | Member | Result | Award |
|-------------------------------------|------------------|--------|--------------------------|
| Clarissa Roque | Canada | 720 | Medallion for Excellence |
| Reina Kawai | Japan | 720 | Medallion for Excellence |
| Yin Wah Chan | Hong Kong, China | 720 | Medallion for Excellence |
| Theresa Noack | Germany | 712 | Medallion for Excellence |
| Evgenii Krasnov | Russia | 710 | Medallion for Excellence |
| Saurabh Baghel | India | 701 | Medallion for Excellence |
| Anjuta Else Mirjam Bergmann | Austria | 700 | Medallion for Excellence |
| Muhammad Irfan Hadi Sulaiman | Malaysia | 700 | Medallion for Excellence |
| Wa Kin Chang | Macao, China | 700 | Medallion for Excellence |
| Lucas Rocha | Brazil | 697 | |
| Rahel Weber | Switzerland | 697 | |
| Bas Klarenbeek | Netherlands | 682 | |
| Anastasiya Danilava | Belarus | 676 | |
| Yogi Saputro | Indonesia | 675 | |
| ZAKIA MIDA | Morocco | 664 | |
| Caroline Amalie Flyvenring Andersen | Denmark | 661 | |
| Alexandra Genin | Belgium | 626 | |
| Kamila Kabiyeva | Kazakhstan | 622 | |
| Tanjim Tabassum Islam | Bangladesh | 620 | |

33 Automobile Technology

| Name | Member | Result | Award |
|-----------------------------|--------------------------|--------|--------------------------|
| Nikolai Donchak | Russia | 764 | Gold |
| Zhen Wang | China | 755 | Silver |
| ZU-YI LU | Chinese Taipei | 753 | Silver |
| Sakito Uchio | Japan | 748 | Medallion for Excellence |
| Damian Schmid | Switzerland | 746 | Medallion for Excellence |
| Kévin MULLER | France | 744 | Medallion for Excellence |
| Jong-Min Choi | Korea | 734 | Medallion for Excellence |
| Abdulaziz Bu Abdulla | United Arab Emirates | 727 | Medallion for Excellence |
| Paul Danenberg | United States of America | 721 | Medallion for Excellence |
| SOUFIANE LAHLOU | Morocco | 720 | Medallion for Excellence |
| Mustaqim Mustaqim | Indonesia | 720 | Medallion for Excellence |
| Jon Sindre Lund Gabrielsen | Norway | 718 | Medallion for Excellence |
| Pascal Doiron | Canada | 712 | Medallion for Excellence |
| Daniel Stelmach | Portugal | 712 | Medallion for Excellence |
| Tushar Tukaram Phadatare | India | 710 | Medallion for Excellence |
| Anthony Ters | Australia | 708 | Medallion for Excellence |
| Joeminel Cutcharo | Philippines | 700 | Medallion for Excellence |
| Eduardo Benvegnir | Brazil | 700 | Medallion for Excellence |
| Simon Kazimirowicz | Germany | 697 | |
| Hossein Nasiri | Iran | 696 | |
| Antoine Maréchal | Belgium | 695 | |
| Anuwat Fanloed | Thailand | 694 | |
| Declan Porter | United Kingdom | 693 | |
| SAIF AL-HOUSNI | Oman | 690 | |
| Roger Laing | New Zealand | 690 | |
| Felix Foidl | Austria | 689 | |
| Melgeor Hanekom | South Africa | 686 | |
| Aleksandr Filipov | Belarus | 680 | |
| David Sebastian Sierra Lara | Colombia | 677 | |
| Abdul Syafiq Bin Abdullah | Singapore | 676 | |

33 Automobile Technology

| Name | Member | Result | Award |
|--------------------------------|------------|--------|-------|
| Felipe MARTÍN | Spain | 671 | |
| Laszlo Nagy | Hungary | 662 | |
| Kirill Bulat | Kazakhstan | 654 | |
| Luciano Namaseb | Namibia | 635 | |
| Abdullah Youssry Nabwy Elsayed | Egypt | 633 | |

34 Cooking

| Name | Member | Result | Award |
|-----------------------------|--------------------------|--------|--------------------------|
| Iskandar Slaev | Russia | 754 | Gold |
| Maciej Pisarek | Poland | 740 | Silver |
| Yongkang Lin | China | 733 | Bronze |
| Min-Jae Ha | Korea | 730 | Medallion for Excellence |
| Magnus Rosendahl | Denmark | 730 | Medallion for Excellence |
| Phumin Hirunsoontorn | Thailand | 725 | Medallion for Excellence |
| Sam Everton | United Kingdom | 725 | Medallion for Excellence |
| Martin Amstutz | Switzerland | 723 | Medallion for Excellence |
| Sofia Lerner | Brazil | 722 | Medallion for Excellence |
| Kaisla Heimala | Finland | 721 | Medallion for Excellence |
| Leah Patitucci | Canada | 719 | Medallion for Excellence |
| Aljoscha Burkhard Knoblich | Germany | 716 | Medallion for Excellence |
| François EUSTACE | France | 715 | Medallion for Excellence |
| Cristopher Matkowski | Australia | 715 | Medallion for Excellence |
| Edward Eng Sheng Pei | Malaysia | 713 | Medallion for Excellence |
| Marco Panhölzl | Austria | 713 | Medallion for Excellence |
| CHIEN-HUI FAN | Chinese Taipei | 712 | Medallion for Excellence |
| Nils Gevele | Latvia | 710 | Medallion for Excellence |
| Elisabeth Alette Øfsti | Norway | 704 | Medallion for Excellence |
| Jerome Lim | Singapore | 704 | Medallion for Excellence |
| Hanna Mathe | Ireland | 702 | Medallion for Excellence |
| Hon Fai Lee | Hong Kong, China | 701 | Medallion for Excellence |
| Märten Kadu | Estonia | 700 | Medallion for Excellence |
| William Brittsjö | Sweden | 700 | Medallion for Excellence |
| Angad Singh Rana | India | 698 | |
| Melanie De Lange | South Africa | 696 | |
| Ana Coelho | Portugal | 695 | |
| Shae White | Barbados | 693 | |
| Petr Anufryienka | Belarus | 691 | |
| Nana Kondo | Japan | 689 | |
| Jasper Panis | Netherlands | 689 | |
| Pedro CORRAL | Spain | 684 | |
| Kenzo Chen | Belgium | 680 | |
| Maria Mayerly Galvis Bayona | Colombia | 679 | |
| Julia Spondike | United States of America | 677 | |
| Sam Heaven | New Zealand | 674 | |
| Kei Nam Choi | Macao, China | 674 | |
| Zsuzsanna Szemendrey | Hungary | 666 | |
| Toni Grgić | Croatia | 665 | |
| Ronaldo Katjiheve | Namibia | 661 | |
| LUCAS RODRIGO MERA CATALÁN | Chile | 655 | |
| Chibayar Lkhagva-Ochir | Mongolia | 649 | |
| KHAOULA NASIB | Morocco | 647 | |
| Sayat Toktarkanov | Kazakhstan | 646 | |
| Savannah Peterkin | Jamaica | 628 | |
| Meri Hakobyan | Armenia | 607 | |

35 Restaurant Service

| Name | Member | Result | Award |
|-----------------------------------|--------------------------|--------|--------------------------|
| Martina Wick | Switzerland | 777 | Gold |
| Louis COZETTE | France | 745 | Silver |
| Chatvarin Klongnoy | Thailand | 742 | Bronze |
| Ruairí Grealish | Ireland | 737 | Medallion for Excellence |
| Suvi Minkkinen | Finland | 735 | Medallion for Excellence |
| Madara Minina | Latvia | 724 | Medallion for Excellence |
| Fabienne Bakker | Netherlands | 720 | Medallion for Excellence |
| Jolanda Edvardsson | Sweden | 720 | Medallion for Excellence |
| Jiani Wu | China | 719 | Medallion for Excellence |
| Indriani Putri Yudianti | Indonesia | 718 | Medallion for Excellence |
| Vanesia Erico Tan | Singapore | 717 | Medallion for Excellence |
| Timur Kayumov | Russia | 717 | Medallion for Excellence |
| Karl-Kevin Miinpuu | Estonia | 714 | Medallion for Excellence |
| TZU-HSUAN YEN | Chinese Taipei | 711 | Medallion for Excellence |
| Collette Gorvett | United Kingdom | 706 | Medallion for Excellence |
| Freja Staghøj Mortensen | Denmark | 706 | Medallion for Excellence |
| Guillem MARROIG | Spain | 700 | Medallion for Excellence |
| Pui Kei Yu | Hong Kong, China | 698 | |
| Michaela Ehgartner | Austria | 696 | |
| Vaidehi Pant | India | 689 | |
| Ka kei Lei | Macao, China | 688 | |
| Loraines patricia Cadena cantillo | Colombia | 685 | |
| Gustavo Felipe Almeida Carlos | Brazil | 684 | |
| Marc Dave Perez | Philippines | 684 | |
| Birk Torp | Norway | 680 | |
| Se-Lim Moon | Korea | 676 | |
| Shioko Chinen | Japan | 670 | |
| Darya Yerafeyenka | Belarus | 652 | |
| Gabor Janos Fabian | Hungary | 652 | |
| Anuar Sarbassov | Kazakhstan | 631 | |
| Danny Mayers | Barbados | 605 | |
| Ntsako Shidzinga | South Africa | 604 | |
| Robert Schultz | United States of America | 598 | |

36 Car Painting

| Name | Member | Result | Award |
|----------------------|--------------------------|--------|--------------------------|
| TING-YU YANG | Chinese Taipei | 755 | Gold |
| Conor McKeivitt | United Kingdom | 745 | Silver |
| Maxine Colligan | Australia | 740 | Bronze |
| Marcelo Santos | Brazil | 731 | Medallion for Excellence |
| Pavel Iakovlev | Russia | 726 | Medallion for Excellence |
| Aurélie Fawer | Switzerland | 720 | Medallion for Excellence |
| Bin Hu | China | 718 | Medallion for Excellence |
| Dylan Wertz | United States of America | 718 | Medallion for Excellence |
| Govind Kumar Sonkar | India | 716 | Medallion for Excellence |
| Cheol-Min Son | Korea | 716 | Medallion for Excellence |
| Anthony BOURGEADE | France | 710 | Medallion for Excellence |
| Roets Trevor | South Africa | 709 | Medallion for Excellence |
| Philip Bang | Denmark | 705 | Medallion for Excellence |
| Silanon Nimitchaikun | Thailand | 700 | Medallion for Excellence |
| Anna Widholm | Sweden | 693 | |
| Johanna Kaiser | Germany | 692 | |

36 Car Painting

| Name | Member | Result | Award |
|-----------------------|------------------|--------|-------|
| Kam Hung Li | Hong Kong, China | 692 | |
| Mohamad Ridzuan Wahid | Malaysia | 687 | |
| Twan Bogers | Norway | 684 | |
| Maggie Friesen | Canada | 670 | |
| Emilia Pääkkönen | Finland | 668 | |
| Masaya Yagisawa | Japan | 668 | |
| Usman Rosid Mashuri | Indonesia | 659 | |
| Álvaro VELASCO | Spain | 658 | |
| Callum Dodds | New Zealand | 647 | |
| Terrique Ward | Barbados | 638 | |
| Nguyen Xuan Luc | Vietnam | 620 | |

37 Landscape Gardening

| Name | Member | Result | Award |
|---|--------------------|--------|--------------------------|
| Mario Loris Enz / Fabian Hodel | Switzerland | 757 | Gold |
| Daniel Perkmann / Patrick Staschitz | South Tyrol, Italy | 735 | Silver |
| Luis Carlos Figueroa Figueroa / Nelson Alejandro Rojas Duarte | Colombia | 726 | Bronze |
| Masataka Ishizaka / Mei Utsunomiya | Japan | 718 | Medallion for Excellence |
| Baptiste FABRE / Louis SOLIGNAC | France | 718 | Medallion for Excellence |
| Shea McFerran / Samuel Taylor | United Kingdom | 718 | Medallion for Excellence |
| Kang Wen / Di Yan | China | 713 | Medallion for Excellence |
| SHEN-YU XUAN / YAN-LIANG LIN | Chinese Taipei | 711 | Medallion for Excellence |
| Julian Maier / Niklas Stadlmayr | Germany | 709 | Medallion for Excellence |
| Wilhelmiina Saarijärvi / Veikko Tahvanainen | Finland | 709 | Medallion for Excellence |
| Mario Nederlof / Lucas Muiwijk | Netherlands | 706 | Medallion for Excellence |
| Adam Homokay / Gergo Stummer | Hungary | 701 | Medallion for Excellence |
| Markus Vainu / Matthias Veski | Estonia | 699 | |
| Nils Karjetta / Martin Johansen | Norway | 695 | |
| Alexandra Boivin / Sébastien Brissette | Canada | 691 | |
| Dylan Lekeux / Jonas Menschaert | Belgium | 678 | |
| Ruan Santos / Bruno Soares | Brazil | 677 | |
| Gleb Plakhotnyuk / Kozyrev Stanislav | Russia | 676 | |
| David Andersson / Fredrik Emanuelsson | Sweden | 676 | |
| Francesc FERRÉ / Ander BENAIGES | Spain | 674 | |
| Johannes Schöler / Pascal Wegscheider | Austria | 663 | |
| Eun-Seong Bae / Jae-Wan Ju | Korea | 633 | |
| Febri Afiantoro / Eko Padi Nugroho | Indonesia | 624 | |
| OLGA GONZALEZ / MATIAS SANCHEZ | Chile | 603 | |

38 Refrigeration and Air Conditioning

| Name | Member | Result | Award |
|-------------------|----------------|--------|--------------------------|
| ALEKSANDR LEUSHIN | Russia | 747 | Gold |
| JuHwan Go | Korea | 745 | Gold |
| Patrick Brennan | Australia | 739 | Bronze |
| BING-RU WU | Chinese Taipei | 734 | Medallion for Excellence |
| Andreas Keplinger | Austria | 729 | Medallion for Excellence |
| Thomas JOUBERT | France | 728 | Medallion for Excellence |
| Zihao Yang | China | 728 | Medallion for Excellence |

38 Refrigeration and Air Conditioning

| Name | Member | Result | Award |
|----------------------------|----------------------|--------|--------------------------|
| Warakorn Butjan | Thailand | 713 | Medallion for Excellence |
| Ítalo Cruz | Brazil | 710 | Medallion for Excellence |
| Chun Ming Kwok | Hong Kong, China | 709 | Medallion for Excellence |
| Lukas Brenne | Germany | 704 | Medallion for Excellence |
| Zachary William Walsh | Canada | 702 | Medallion for Excellence |
| Haziq Fauzi Abdul Jalil | Malaysia | 702 | Medallion for Excellence |
| Francisco Campos | Portugal | 700 | Medallion for Excellence |
| Orlando James Rawlings | United Kingdom | 700 | Medallion for Excellence |
| Rahul Jangra | India | 695 | |
| Leonido Lomoljo | Philippines | 691 | |
| David La Grange | South Africa | 689 | |
| Orley Alejandro Gomez Yali | Colombia | 685 | |
| Izan Elias BARRETTO | Spain | 683 | |
| Misuzu Kitazawa | Japan | 680 | |
| Nguyen Van Hung | Vietnam | 680 | |
| Abdul Rahman Al-Aboudi | Oman | 677 | |
| Ammar Alzarooni | United Arab Emirates | 675 | |
| ANASS TAHIRI | Morocco | 670 | |
| Alexandr Minayev | Kazakhstan | 663 | |
| Andreas Shigwedha | Namibia | 654 | |
| Mohammed Alazmi | Kuwait | 652 | |

39 IT Network Systems Administration

| Name | Member | Result | Award |
|--------------------------|-------------------------------|--------|--------------------------|
| Iseop Kim | Korea | 738 | Gold |
| Rizky Muhammad | Indonesia | 732 | Silver |
| Parsa Yousefi | Iran | 730 | Silver |
| Kazuma Kawashima | Japan | 725 | Medallion for Excellence |
| Wen Xuan Liong | Singapore | 725 | Medallion for Excellence |
| Haokun Liang | China | 718 | Medallion for Excellence |
| Eduardo Hermann | Brazil | 715 | Medallion for Excellence |
| XUAN-CHEN GUO | Chinese Taipei | 715 | Medallion for Excellence |
| Man San Wong | Macao, China | 712 | Medallion for Excellence |
| Vladislav Tetushkin | Russia | 710 | Medallion for Excellence |
| Baptiste GEDALGE | France | 707 | Medallion for Excellence |
| Josip Stanešić | Croatia | 704 | Medallion for Excellence |
| Diego Andrés Lopez Garro | Costa Rica | 704 | Medallion for Excellence |
| Balint Meszaros | Hungary | 703 | Medallion for Excellence |
| Luca Hogge | Principality of Liechtenstein | 697 | |
| Gen Lee | Estonia | 689 | |
| Nikolaus Walther | Austria | 685 | |
| Wilmar Aguilar Castro | Colombia | 684 | |
| Steffen Weißmann | Germany | 681 | |
| Andrey Stepanyuk | Kazakhstan | 678 | |
| Paulo Ferreira | Portugal | 675 | |
| Anjesh Shrestha | Canada | 672 | |
| Victor Nyberg | Sweden | 664 | |
| Ahmed Al-Jabri | Oman | 663 | |
| Joel LORENZ | Spain | 655 | |
| ALIAKSANDR KAVALIYOU | Belarus | 652 | |
| Brando Welgemoed | South Africa | 649 | |
| Ali Ibrahim Yehia Sayed | Egypt | 648 | |

40 Graphic Design Technology

| Name | Member | Result | Award |
|-------------------------------|--------------------------|--------|--------------------------|
| YI-TING LIAO | Chinese Taipei | 750 | Gold |
| Martin Josef Straif | Austria | 742 | Silver |
| Corentin ECHIVARD | France | 740 | Silver |
| Shweta Ratanpura | India | 738 | Bronze |
| Joseph's Yin Thoong | Canada | 735 | Medallion for Excellence |
| Wattanachai Choosup | Thailand | 726 | Medallion for Excellence |
| Junrong Wu | China | 723 | Medallion for Excellence |
| Luky Wiranda | Indonesia | 717 | Medallion for Excellence |
| Iaroslav Velikanov | Russia | 717 | Medallion for Excellence |
| Jamie Jessica Leong | Singapore | 716 | Medallion for Excellence |
| Jaagup Susi | Estonia | 716 | Medallion for Excellence |
| Anton Chertkov | Germany | 712 | Medallion for Excellence |
| Yulim Noh | Korea | 712 | Medallion for Excellence |
| Ilona Züst | Switzerland | 710 | Medallion for Excellence |
| Claudia Gruber | South Tyrol, Italy | 710 | Medallion for Excellence |
| Hoi Tung Man | Hong Kong, China | 709 | Medallion for Excellence |
| Bianca Klempe Corrêa | Brazil | 701 | Medallion for Excellence |
| Ramon Bong Bautista | Philippines | 700 | Medallion for Excellence |
| Indy Griffiths | Australia | 700 | Medallion for Excellence |
| Myron Kouffeld | Netherlands | 695 | |
| Ana Manuela Rodriguez Hidalgo | Colombia | 694 | |
| Avin Rashidrostami | Iran | 686 | |
| Anthony Moore | United States of America | 685 | |
| Atte Karpinen | Finland | 681 | |
| Laine Zvirgzdina | Latvia | 680 | |
| Sena Ambo | Japan | 679 | |
| Maryna Hayel | Belarus | 673 | |
| Hannah Smith | South Africa | 669 | |
| Kristina Patrick | Barbados | 649 | |
| Anna Sara Nagy | Hungary | 643 | |
| Daiana Bolat | Kazakhstan | 631 | |
| Andreea-Corina Rus | Romania | 626 | |
| Jawaher Al-ali | United Arab Emirates | 626 | |
| Shanice Bromfield | Jamaica | 609 | |
| Ahmed al alawi | Oman | 576 | |

41 Health and Social Care

| Name | Member | Result | Award |
|-------------------------------------|-------------------------------|--------|--------------------------|
| Regina Chia | Singapore | 751 | Gold |
| Miriam de Paula Soares da Silva | Brazil | 740 | Silver |
| Jonna Mjörnell | Sweden | 730 | Bronze |
| Lamees Bin Kalban | United Arab Emirates | 725 | Medallion for Excellence |
| YU-HAN YANG | Chinese Taipei | 724 | Medallion for Excellence |
| Nikolett Orosz | Hungary | 709 | Medallion for Excellence |
| Thasleem Mohideen | India | 709 | Medallion for Excellence |
| Elisabeth Hölscher | Germany | 706 | Medallion for Excellence |
| Brandol Osdarwin Trujillo Gutierrez | Colombia | 706 | Medallion for Excellence |
| Vivien Santer | South Tyrol, Italy | 700 | Medallion for Excellence |
| Amélia Brossy | Switzerland | 689 | |
| Silje Kjærnli | Norway | 686 | |
| Mengjing Yang | China | 686 | |
| Lena Schädler | Principality of Liechtenstein | 685 | |

41 Health and Social Care

| Name | Member | Result | Award |
|------------------|--------------------|--------|-------|
| Adelina Vukolova | Russia | 680 | |
| Ghadeer Husain | Kingdom of Bahrain | 678 | |
| David Mlakić | Croatia | 668 | |
| Alba MARTÍNEZ | Spain | 647 | |
| bandar alotibi | Kuwait | 587 | |

42 Construction Metal Work

| Name | Member | Result | Award |
|-----------------------|----------------|--------|--------------------------|
| Dong-Min Seen | Korea | 730 | Gold |
| Hao Liu | China | 720 | Silver |
| Johannes Kalß | Austria | 718 | Silver |
| Lucas Carneiro | Brazil | 714 | Medallion for Excellence |
| Tomoya Makino | Japan | 704 | Medallion for Excellence |
| Francis PERROT-MINNOT | France | 704 | Medallion for Excellence |
| Patrick Twomey | Ireland | 700 | Medallion for Excellence |
| ZHE-MING LIN | Chinese Taipei | 684 | |
| Rémy Mornod | Switzerland | 670 | |
| Ilnur Davletshin | Russia | 670 | |
| Tyler Atkinson | United Kingdom | 669 | |
| Valtteri Soininen | Finland | 649 | |
| Pham Viet Duy | Vietnam | 601 | |

43 Plastic Die Engineering

| Name | Member | Result | Award |
|------------------------------------|----------------|--------|--------------------------|
| Vladislav Rozov | Russia | 726 | Gold |
| Vitor Galdino | Brazil | 720 | Silver |
| Senrui Lu | China | 703 | Bronze |
| Mochammad Hafid Miftah Fauzi | Indonesia | 701 | Bronze |
| CHEN-HAO KAO | Chinese Taipei | 701 | Bronze |
| Han-Kwon Kim | Korea | 700 | Medallion for Excellence |
| VISHWANATHAN MUTHUPANDY | India | 684 | |
| Hiroaki Ito | Japan | 660 | |
| Sukanya Thongsam | Thailand | 646 | |
| Truong Nguyen Xuan | Vietnam | 616 | |
| Adriana Enriqueta Velazquez Romero | Mexico | 595 | |

44 Visual Merchandising

| Name | Member | Result | Award |
|-----------------------|------------------|--------|--------------------------|
| Anastasia Raspopova | Russia | 770 | Gold |
| Liping Luo | China | 736 | Silver |
| Vendela Lundin Pikner | Sweden | 727 | Bronze |
| Luize Mihailova | Latvia | 714 | Medallion for Excellence |
| Kei Kwan Lui | Hong Kong, China | 711 | Medallion for Excellence |
| Joëlle Weening | Netherlands | 707 | Medallion for Excellence |
| Elysia Tjanderawasi | Singapore | 700 | Medallion for Excellence |
| Ankit Anand | India | 700 | Medallion for Excellence |

44 Visual Merchandising

| Name | Member | Result | Award |
|-----------------------|------------------|--------|--------------------------|
| Anastasia Raspopova | Russia | 770 | Gold |
| Liping Luo | China | 736 | Silver |
| Vendela Lundin Pikner | Sweden | 727 | Bronze |
| Luize Mihailova | Latvia | 714 | Medallion for Excellence |
| Kei Kwan Lui | Hong Kong, China | 711 | Medallion for Excellence |
| Joëlle Weening | Netherlands | 707 | Medallion for Excellence |
| Elysia Tjanderawasi | Singapore | 700 | Medallion for Excellence |
| Ankit Anand | India | 700 | Medallion for Excellence |

45 Prototype Modelling

| Name | Member | Result | Award |
|-----------------------------------|----------------|--------|--------------------------|
| Aidar Mineev | Russia | 728 | Gold |
| Minseok Kim | Korea | 721 | Silver |
| Miumi Matsuzoe | Japan | 717 | Bronze |
| Henrique Sobrinho Menezes | Brazil | 706 | Medallion for Excellence |
| Piyathep Deekhong | Thailand | 705 | Medallion for Excellence |
| Junkai Wen | China | 703 | Medallion for Excellence |
| Abhishek Athihalli Narasimhegowda | India | 697 | |
| Slamet Sarwo Edi | Indonesia | 680 | |
| Alexander Reto Grossniklaus | Switzerland | 676 | |
| Doan Minh Tuan | Vietnam | 675 | |
| PING-HUNG CHEN | Chinese Taipei | 671 | |
| Robert Lešković | Croatia | 603 | |

46 Concrete Construction Work

| Name | Member | Result | Award |
|-----------------------------------|------------|--------|--------------------------|
| Junhui Chen / Junhong Li | China | 723 | Gold |
| Alexander Krutzler / Mateo Grgic | Austria | 723 | Gold |
| Niklas Berroth / Julian Kiesel | Germany | 719 | Bronze |
| Gaëtan ARTUSO / Clément DRONNE | France | 714 | Medallion for Excellence |
| Nikita Komarov / Andrey Korpachev | Russia | 700 | Medallion for Excellence |
| Brumell dos Anjos / Lucas Vigiano | Brazil | 689 | |
| Naresh Dharavath / AMIT YADAV | India | 680 | |
| Oscar Eriksson / Erik Larsson | Sweden | 670 | |
| Bogdanov Ildar / Abram Eslinger | Kazakhstan | 664 | |

47 Bakery

| Name | Member | Result | Award |
|--------------------|----------------|--------|--------------------------|
| Sonja Durrer | Switzerland | 739 | Gold |
| HSIEH-YI HSIEH | Chinese Taipei | 739 | Gold |
| Ziyang Zhang | China | 734 | Bronze |
| DARIA MALTSEVA | Russia | 729 | Medallion for Excellence |
| Ka kei Choi | Macao, China | 725 | Medallion for Excellence |
| Faruk Ahmed | India | 710 | Medallion for Excellence |
| Yoo-Hee Kim | Korea | 707 | Medallion for Excellence |
| Bruna Pinto Vieira | Brazil | 707 | Medallion for Excellence |

47 Bakery

| Name | Member | Result | Award |
|--------------------|----------------|--------|--------------------------|
| Sonja Durrer | Switzerland | 739 | Gold |
| HSIEH-YI HSIEH | Chinese Taipei | 739 | Gold |
| Ziyang Zhang | China | 734 | Bronze |
| DARIA MALTSEVA | Russia | 729 | Medallion for Excellence |
| Ka kei Choi | Macao, China | 725 | Medallion for Excellence |
| Faruk Ahmed | India | 710 | Medallion for Excellence |
| Yoo-Hee Kim | Korea | 707 | Medallion for Excellence |
| Bruna Pinto Vieira | Brazil | 707 | Medallion for Excellence |

48 Industrial Mechanic Millwright

| Name | Member | Result | Award |
|-------------------|----------------|--------|--------------------------|
| Yujiro Sakamoto | Japan | 744 | Gold |
| Clinton Larkings | Australia | 736 | Silver |
| Weiyu Zhang | China | 721 | Bronze |
| Adam Flynn | Ireland | 720 | Bronze |
| Ignatii Evdokimov | Russia | 716 | Medallion for Excellence |
| Jake Doan | Canada | 704 | Medallion for Excellence |
| Chae-Won Lim | Korea | 696 | |
| Antti Rossi | Finland | 690 | |
| TZU-YI CHAN | Chinese Taipei | 685 | |
| Leonardo Moraes | Brazil | 680 | |
| Lloyd Dyer | New Zealand | 641 | |
| Tobias Bueie | Norway | 641 | |

49 Heavy Vehicle Technology

| Name | Member | Result | Award |
|----------------------------|--------------------------|--------|--------------------------|
| Paulo Fratta | Brazil | 745 | Gold |
| Jack Dupuis | Canada | 736 | Silver |
| Ryan Meppelink | United States of America | 728 | Bronze |
| Christof Rölin | Switzerland | 722 | Medallion for Excellence |
| Jeong-Ryong Ryu | Korea | 720 | Medallion for Excellence |
| Zhenan Mo | China | 710 | Medallion for Excellence |
| Thomas Trausnitz | Austria | 708 | Medallion for Excellence |
| Danil Pronin | Russia | 700 | Medallion for Excellence |
| YOUSSEF HARBALA | Morocco | 700 | Medallion for Excellence |
| Peter van Andel | Netherlands | 696 | |
| Grégoire BOUFFART | France | 687 | |
| Andis Karklins | Latvia | 683 | |
| Anders Stensgaard Sørensen | Denmark | 669 | |
| Bence Apagyi | Hungary | 662 | |
| Mikhail Nazarenko | Kazakhstan | 648 | |

50 3D Digital Game Art

| Name | Member | Result | Award |
|-------------------------|------------------|--------|--------------------------|
| Ying Ying Tan | Singapore | 753 | Gold |
| Dingjun He | China | 748 | Silver |
| Alexey Artemasov | Russia | 734 | Bronze |
| Dong-Hyun Jung | Korea | 731 | Medallion for Excellence |
| Nidhin Prem | India | 709 | Medallion for Excellence |
| Gabriel Vieira | Brazil | 705 | Medallion for Excellence |
| Justin Buchanan | Canada | 695 | |
| MARK LUDOVICO PROTUSADA | Hong Kong, China | 692 | |
| Jouni Heikkinen | Finland | 692 | |
| YU ZHEN CHEN | Chinese Taipei | 691 | |
| Patrick Buckley | United Kingdom | 661 | |
| María Enriquez | Spain | 557 | |

51 Freight Forwarding

| Name | Member | Result | Award |
|----------------------|-----------|--------|--------------------------|
| Megan Yeates | Ireland | 728 | Gold |
| Rebecca Sim | Singapore | 724 | Silver |
| Elizaveta Nekrasova | Russia | 715 | Bronze |
| Philip Lang | Germany | 700 | Medallion for Excellence |
| Nadine Altmann | Austria | 696 | |
| Gabrielli Kretschmer | Brazil | 680 | |
| Huiwen Wang | China | 670 | |

52 Chemical Laboratory Technology

| Name | Member | Result | Award |
|--------------------------------|----------------|--------|--------------------------|
| Anastasiia Kamneva | Russia | 845 | Gold |
| Pinja Harakkamäki | Finland | 727 | Silver |
| Daniela Carneiro | Brazil | 720 | Bronze |
| Tonicha Roberts | United Kingdom | 702 | Medallion for Excellence |
| Peter Günther Wakonigg | Austria | 700 | Medallion for Excellence |
| Huajian Li | China | 700 | Medallion for Excellence |
| Laura Patricia Barreto Aguirre | Colombia | 683 | |
| Zi Xuan Ng | Singapore | 679 | |
| Venera Zaulekenova | Kazakhstan | 579 | |

53 Cloud Computing

| Name | Member | Result | Award |
|-------------------|-----------|--------|--------------------------|
| Olivier Bal-Petre | Ireland | 740 | Gold |
| Leandro Moreira | Brazil | 726 | Silver |
| Tomohiro Hamasaki | Japan | 720 | Bronze |
| Moo-Hyun Song | Korea | 717 | Medallion for Excellence |
| Andrew Brown | Australia | 708 | Medallion for Excellence |
| Milton Sim | Singapore | 708 | Medallion for Excellence |
| Diana Kasabova | Russia | 706 | Medallion for Excellence |
| Benjamin Nicodème | Belgium | 700 | Medallion for Excellence |

53 Cloud Computing

| Name | Member | Result | Award |
|-------------------|-----------|--------|--------------------------|
| Olivier Bai-Petre | Ireland | 740 | Gold |
| Leandro Moreira | Brazil | 726 | Silver |
| Tomohiro Hamasaki | Japan | 720 | Bronze |
| Moo-Hyun Song | Korea | 717 | Medallion for Excellence |
| Andrew Brown | Australia | 708 | Medallion for Excellence |
| Milton Sim | Singapore | 708 | Medallion for Excellence |
| Diana Kasabova | Russia | 706 | Medallion for Excellence |
| Benjamin Nicodème | Belgium | 700 | Medallion for Excellence |

54 Cyber Security

| Name | Member | Result | Award |
|---|--------------------------|--------|--------------------------|
| Viktor Legostaev / Dmitrii Titov | Russia | 749 | Gold |
| Zitong Xiao / Zhutian Feng | China | 745 | Silver |
| Raissa Marcon Constante / Jean Carlos Nicoletti Novak | Brazil | 713 | Bronze |
| Devesh Logendran / Chan Hong Koh | Singapore | 713 | Bronze |
| Shubham Singh / Swapnil xxx | India | 710 | Medallion for Excellence |
| Yoshinori Hayashi / Yutaro Shimizu | Japan | 700 | Medallion for Excellence |
| Mohammed al kalbani / Bassam al-zadjali | Oman | 685 | |
| Kyle Woodward / Adrian Cybulski | United Kingdom | 680 | |
| Chjohnne Ma Jesus Caliwara / Vincent Bryce Garcia | Philippines | 665 | |
| Mawadda Abuhamda / Jason McGee | United States of America | 658 | |
| Juan Gerardo Martinez Rangel / Arturo Camacho Diaz | Mexico | 638 | |

55 Water Technology

| Name | Member | Result | Award |
|-------------------------------|--------------|--------|--------------------------|
| Lufeng Zeng | China | 721 | Gold |
| Aswatha Narayana Sanagavarapu | India | 720 | Gold |
| John Chen | Singapore | 715 | Bronze |
| Hyun-Goo Kang | Korea | 705 | Medallion for Excellence |
| Lukas Kohl | Germany | 701 | Medallion for Excellence |
| Nguyen Thai Phuong | Vietnam | 700 | Medallion for Excellence |
| Nikita Gvozdev | Russia | 682 | |
| Amirreza Dehghani sanij | Iran | 668 | |
| Thiago Felipe Salkovski | Brazil | 651 | |
| Uladzislau Savitski | Belarus | 626 | |
| Thabiso Matlou | South Africa | 624 | |

56 Hotel Reception

| Name | Member | Result | Award |
|--------------------|-----------|--------|--------------------------|
| Vitaliya Iakovenko | Russia | 775 | Gold |
| Oliver Lang | Austria | 741 | Silver |
| Elias Larsson | Sweden | 738 | Bronze |
| Shervonne Pan | Singapore | 728 | Medallion for Excellence |
| Marina Kovačić | Croatia | 722 | Medallion for Excellence |

56 Hotel Reception

| Name | Member | Result | Award |
|-----------------------|--------------------|--------|--------------------------|
| Marina Kovačić | Croatia | 722 | Medallion for Excellence |
| Maxime Cabo | Belgium | 719 | Medallion for Excellence |
| Denise Giacosa | South Tyrol, Italy | 703 | Medallion for Excellence |
| Morten Ridderseth | Norway | 701 | Medallion for Excellence |
| Julian Ferrante | Switzerland | 699 | |
| Nohelis van der Wiele | Netherlands | 697 | |
| Abhinav Vinta | India | 692 | |
| Paula Senna | Brazil | 688 | |
| Liisa Meidla | Estonia | 688 | |
| Jaana Säkki | Finland | 666 | |
| Zhi Chen | China | 658 | |
| Servana Sanailova | Kazakhstan | 653 | |

RESULTS BY MEMBER COUNTRY OR REGION

| Position | Member | Total Point Score | Num Teams / Competitors | Gold | Silver | Bronze | Medallion for Excellence |
|----------|--------------------------|-------------------|-------------------------|------|--------|--------|--------------------------|
| 1 | China | 40,830.00 | 56 | 16 | 14 | 5 | 17 |
| 2 | Russia | 40,137.00 | 56 | 14 | 4 | 4 | 25 |
| 3 | Brazil | 39,740.00 | 56 | 2 | 5 | 6 | 27 |
| 4 | Korea | 33,830.00 | 47 | 7 | 6 | 2 | 26 |
| 5 | Chinese Taipei | 32,255.00 | 45 | 5 | 5 | 5 | 23 |
| 6 | India | 29,928.00 | 43 | 1 | 1 | 2 | 15 |
| 7 | Japan | 29,750.00 | 42 | 2 | 3 | 6 | 17 |
| 8 | Austria | 28,390.00 | 40 | 5 | 5 | 1 | 17 |
| 9 | Switzerland | 27,976.00 | 39 | 5 | 5 | 6 | 13 |
| 10 | France | 25,699.00 | 36 | 1 | 4 | 3 | 19 |
| 11 | Germany | 22,573.00 | 32 | 2 | 0 | 1 | 19 |
| 12 | United Kingdom | 22,372.00 | 32 | 2 | 1 | 1 | 15 |
| 13 | Singapore | 20,535.00 | 29 | 2 | 1 | 2 | 17 |
| 14 | Kazakhstan | 20,276.00 | 31 | 0 | 0 | 0 | 1 |
| 15 | Belarus | 20,251.00 | 30 | 0 | 0 | 0 | 4 |
| 16 | Indonesia | 20,171.00 | 29 | 0 | 2 | 1 | 12 |
| 17 | Canada | 20,082.00 | 29 | 0 | 1 | 0 | 14 |
| 18 | Netherlands | 17,355.00 | 25 | 0 | 0 | 0 | 11 |
| 19 | Sweden | 17,325.00 | 25 | 0 | 1 | 3 | 6 |
| 20 | Finland | 17,285.00 | 25 | 0 | 1 | 0 | 7 |
| 21 | Spain | 17,245.00 | 26 | 0 | 0 | 0 | 1 |
| 22 | Thailand | 16,170.00 | 23 | 0 | 0 | 2 | 12 |
| 23 | Hong Kong, China | 15,369.00 | 22 | 0 | 0 | 0 | 11 |
| 24 | Hungary | 15,196.00 | 22 | 1 | 0 | 0 | 11 |
| 25 | Colombia | 14,441.00 | 21 | 0 | 0 | 2 | 4 |
| 26 | United States of America | 13,692.00 | 20 | 0 | 0 | 1 | 4 |
| 27 | Oman | 13,457.00 | 21 | 0 | 0 | 0 | 0 |
| 28 | Malaysia | 12,955.00 | 19 | 0 | 0 | 0 | 9 |

| Position | Member | Total Point Score | Num Teams / Competitors | Gold | Silver | Bronze | Medallion for Excellence |
|----------|-------------------------------|-------------------|-------------------------|------|--------|--------|--------------------------|
| 29 | South Africa | 12,788.00 | 20 | 0 | 0 | 0 | 2 |
| 30 | Vietnam | 12,269.00 | 18 | 0 | 1 | 0 | 7 |
| 31 | Macao, China | 11,227.00 | 16 | 0 | 0 | 0 | 11 |
| 32 | Norway | 10,981.00 | 16 | 0 | 0 | 0 | 6 |
| 33 | Australia | 10,686.00 | 15 | 0 | 1 | 3 | 9 |
| 34 | Ireland | 10,569.00 | 15 | 2 | 0 | 1 | 7 |
| 35 | South Tyrol, Italy | 10,003.00 | 14 | 1 | 2 | 2 | 7 |
| 36 | Denmark | 9,793.00 | 14 | 0 | 0 | 0 | 8 |
| 37 | Belgium | 9,598.00 | 14 | 0 | 0 | 0 | 5 |
| 38 | Morocco | 8,808.00 | 13 | 0 | 0 | 0 | 2 |
| 39 | Portugal | 8,365.00 | 12 | 0 | 0 | 0 | 6 |
| 40 | Estonia | 8,242.00 | 12 | 0 | 0 | 0 | 3 |
| 41 | Iran | 7,040.00 | 10 | 0 | 1 | 2 | 2 |
| 42 | United Arab Emirates | 6,841.00 | 10 | 0 | 0 | 0 | 3 |
| 43 | Philippines | 6,185.00 | 9 | 0 | 0 | 0 | 2 |
| 43 | Croatia | 6,109.00 | 9 | 0 | 0 | 0 | 2 |
| 45 | New Zealand | 6,030.00 | 9 | 0 | 0 | 0 | 0 |
| 45 | Namibia | 5,694.00 | 9 | 0 | 0 | 0 | 0 |
| 47 | Mongolia | 5,391.00 | 8 | 0 | 0 | 0 | 1 |
| 48 | Latvia | 4,872.00 | 7 | 0 | 0 | 0 | 3 |
| 49 | Jamaica | 4,526.00 | 7 | 0 | 0 | 0 | 0 |
| 50 | Principality of Liechtenstein | 4,189.00 | 6 | 0 | 0 | 0 | 3 |
| 50 | Poland | 4,111.00 | 6 | 0 | 1 | 0 | 0 |
| 52 | Mexico | 3,879.00 | 6 | 0 | 0 | 0 | 0 |
| 52 | Barbados | 3,755.00 | 6 | 0 | 0 | 0 | 0 |
| 52 | Chile | 2,515.00 | 4 | 0 | 0 | 0 | 0 |
| 52 | Romania | 1,967.00 | 3 | 0 | 0 | 0 | 0 |
| 52 | Egypt | 1,934.00 | 3 | 0 | 0 | 0 | 0 |
| 52 | Kuwait | 1,886.00 | 3 | 0 | 0 | 0 | 0 |
| 52 | Armenia | 1,829.00 | 3 | 0 | 0 | 0 | 0 |
| 59 | Costa Rica | 1,380.00 | 2 | 0 | 0 | 0 | 1 |
| 60 | Kingdom of Bahrain | 1,323.00 | 2 | 0 | 0 | 0 | 0 |
| 60 | Saudi Arabia | 1,300.00 | 2 | 0 | 0 | 0 | 0 |
| 60 | Bangladesh | 1,257.00 | 2 | 0 | 0 | 0 | 0 |

BEST OF NATION

| Member | Name | Skill | Points | Award |
|-------------------------------|-------------------------------------|---------------------------------------|--------|--------------------------|
| United Arab Emirates | Lamees Bin Kalban | 41 Health and Social Care | 725 | Medallion For Excellence |
| Armenia | Viktoria Karapetyan | 31 Fashion Technology | 643 | |
| Austria | Stefan Planitzer | 22 Painting and Decorating | 775 | GOLD |
| Australia | Maxine Colligan | 36 Car Painting | 740 | BRONZE |
| Barbados | Shae White | 34 Cooking | 693 | |
| Bangladesh | Nafisa Sadaf Anchol | 31 Fashion Technology | 637 | |
| Belgium | Maxime Cabo | 56 Hotel Reception | 719 | Medallion For Excellence |
| Kingdom of Bahrain | Ghadeer Husain | 41 Health and Social Care | 678 | |
| Brazil | Leonardo Souza | 05 Mechanical Engineering CAD | 797 | GOLD |
| Belarus | Kseniya Shafranskaya | 29 Hairdressing | 714 | Medallion For Excellence |
| Canada | Jack Dupuis | 49 Heavy Vehicle Technology | 736 | SILVER |
| Switzerland | Martina Wick | 35 Restaurant Service | 777 | GOLD |
| Chile | OLGA GONZALEZ | 37 Landscape Gardening | 603 | |
| Chile | MATIAS SANCHEZ | 37 Landscape Gardening | 603 | |
| China | Xiaocheng Huang | 06 CNC Turning | 766 | GOLD |
| Colombia | Brandol Osdarwin Trujillo Gutierrez | 41 Health and Social Care | 706 | Medallion For Excellence |
| Costa Rica | Diego Andrés Lopez Garro | 39 IT Network Systems Administration | 704 | Medallion For Excellence |
| Germany | Janis Gentner | 12 Wall and Floor Tiling | 736 | GOLD |
| Denmark | Magnus Rosendahl | 34 Cooking | 730 | Medallion For Excellence |
| Estonia | Jaagup Susi | 40 Graphic Design Technology | 716 | Medallion For Excellence |
| Egypt | Abdullah Youssry Nabwy Elsayed | 33 Automobile Technology | 633 | |
| Spain | Guillem MARROIG | 35 Restaurant Service | 700 | Medallion For Excellence |
| Finland | Pinja Harakkamäki | 52 Chemical Laboratory Technology | 727 | SILVER |
| France | Jean CHANJOU-LECLERCQ | 03 Manufacturing Team Challenge | 677 | |
| France | Maxime DURET | 03 Manufacturing Team Challenge | 677 | |
| France | Clément ROUSSEAU | 03 Manufacturing Team Challenge | 677 | |
| Hong Kong, China | Kuen Yuet Cheung | 17 Web Technologies | 722 | Medallion For Excellence |
| Croatia | Marina Kovačić | 56 Hotel Reception | 722 | Medallion For Excellence |
| Hungary | Krisztian Simon | 24 Cabinetmaking | 737 | GOLD |
| Indonesia | Hengky Sanjaya | 09 IT Software Solutions for Business | 751 | SILVER |
| Ireland | Olivier Bal-Petre | 53 Cloud Computing | 740 | GOLD |
| India | Aswatha Narayana Sanagavarapu | 55 Water Technology | 720 | GOLD |
| Iran | Mahyar Jabari | 09 IT Software Solutions for Business | 742 | BRONZE |
| South Tyrol, Italy | Geremar Unterweger | 18 Electrical Installations | 749 | BRONZE |
| Jamaica | Jenelle Corrone Hinds | 23 Mobile Robotics | 675 | |
| Jamaica | Dihanroy Mitchell | 23 Mobile Robotics | 675 | |
| Japan | Yuta Shimizu | 02 Information Network Cabling | 746 | GOLD |
| Korea | Wooeui Jo | 15 Plumbing and Heating | 750 | GOLD |
| Kuwait | Mohammed Alazmi | 38 Refrigeration and Air Conditioning | 652 | |
| Kazakhstan | Alexandr Bettsold | 04 Mechatronics | 700 | Medallion For Excellence |
| Kazakhstan | Isazhan Raisov | 04 Mechatronics | 700 | Medallion For Excellence |
| Principality of Liechtenstein | Nicola Batliner | 15 Plumbing and Heating | 721 | Medallion For Excellence |
| Latvia | Madara Minina | 35 Restaurant Service | 724 | Medallion For Excellence |
| Morocco | SOUFIANE LAKHMASSE | 17 Web Technologies | 694 | |
| Mongolia | Oyun-Erdene Tumurkhuyag | 10 Welding | 711 | Medallion For Excellence |
| Macao, China | ZhanYang Lin | 23 Mobile Robotics | 745 | Medallion For Excellence |
| Macao, China | Hio Cheng Chong | 23 Mobile Robotics | 745 | Medallion For Excellence |
| Mexico | Jonathan Francisco Hernandez Vitela | 07 CNC Milling | 687 | |

| Member | Name | Skill | Points | Award |
|--------------------------|--------------------------------|-----------------------------|--------|--------------------------|
| Malaysia | Hanafi Bin Osman | 31 Fashion Technology | 724 | Medallion For Excellence |
| Namibia | Hiskia Malakia | 25 Joinery | 656 | |
| Netherlands | jasper Olthuis | 18 Electrical Installations | 731 | Medallion For Excellence |
| Norway | Lorang Strand | 18 Electrical Installations | 720 | Medallion For Excellence |
| New Zealand | Jack Westcott | 14 Aircraft Maintenance | 695 | |
| Oman | SAIF AL-HOUSNI | 33 Automobile Technology | 690 | |
| Philippines | Joeminel Cutcharo | 33 Automobile Technology | 700 | Medallion For Excellence |
| Poland | Maciej Pisarek | 34 Cooking | 740 | SILVER |
| Palestine | Obayda Abdalmohsen | 18 Electrical Installations | | |
| Portugal | Pedro Pereira | 23 Mobile Robotics | 715 | Medallion For Excellence |
| Portugal | Luka Zandarashvili | 23 Mobile Robotics | 715 | Medallion For Excellence |
| Romania | Manuel Ilie Dorca | 17 Web Technologies | 679 | |
| Russia | Mikhail Vorontcov | 07 CNC Milling | 232 | |
| Saudi Arabia | Hassan Hussain Alrashed | 10 Welding | 670 | |
| Sweden | Thomas Martin Fredrik Lindelöw | 19 Industrial Control | 732 | SILVER |
| Singapore | Ying Ying Tan | 50 3D Digital Game Art | 753 | GOLD |
| Thailand | Wuttichai Pligsang | 06 CNC Turning | 745 | Medallion For Excellence |
| Chinese Taipei | TING-YU YANG | 36 Car Painting | 755 | GOLD |
| United Kingdom | Conor McKeivitt | 36 Car Painting | 745 | SILVER |
| United States of America | Ryan Meppelink | 49 Heavy Vehicle Technology | 728 | BRONZE |
| Vietnam | Phan Van Quoc | 06 CNC Turning | 717 | Medallion For Excellence |
| South Africa | Roets Trevor | 36 Car Painting | 709 | Medallion For Excellence |

ALBERT VIDAL AWARD

| Name | Member | Skill | Points | Award |
|---------------------------------|--------|--------------------------------|--------|--------|
| Anastasiia Kamneva | RU | Chemical Laboratory Technology | 845 | GOLD |
| Dan Shi | CN | Hairdressing | 808 | GOLD |
| Leonardo Souza | BR | Mechanical Engineering CAD | 797 | GOLD |
| Martina Wick | CH | Restaurant Service | 777 | GOLD |
| Seung-Bin Im | KR | Mechanical Engineering CAD | 776 | SILVER |
| Stefan Planitzer | AT | Painting and Decorating | 775 | GOLD |
| Vitaliya Iakovenko | RU | Hotel Reception | 775 | GOLD |
| Anastasia Raspopova | RU | Visual Merchandising | 770 | GOLD |
| Xingxing Xiao | CN | Electrical Installations | 770 | GOLD |
| Imran Tochiev | RU | Plastering and Drywall Systems | 768 | GOLD |
| Xiaocheng Huang | CN | CNC Turning | 766 | GOLD |
| Rebecca West | UK | Beauty Therapy | 766 | GOLD |
| Milana Mikheeva | RU | Hairdressing | 765 | SILVER |
| Nikolai Donchak | RU | Automobile Technology | 764 | GOLD |
| Gengjun Hu / Qiyuan Zheng | CN | Mobile Robotics | 763 | GOLD |
| Zhenqin Li | CN | Beauty Therapy | 762 | SILVER |
| Dong-Chan Jeon / Hyun-Woo An | KR | Mobile Robotics | 760 | SILVER |
| Phoebe McLavy | UK | Hairdressing | 758 | BRONZE |
| Oskar Arslanov / Emil Miftakhov | RU | Mobile Robotics | 757 | BRONZE |
| Mario Loris Enz / Fabian Hodel | CH | Landscape Gardening | 757 | GOLD |



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