



# Skills for a New and Transforming Economy

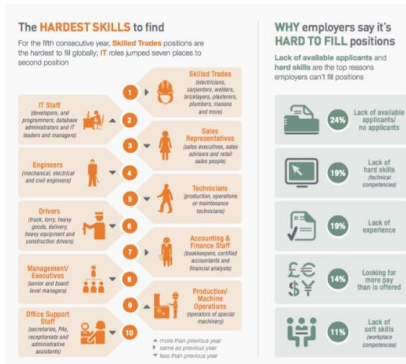
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# CURRENT SITUATION

## GLOBAL SKILLS GAP

- This is a truly global picture
- Skilled Trades at the forefront
- Diversity & Equality issues



# CURRENT SITUATION

## AUTOMATION

- We are seeing a shift in the way automation is integrating into skilled trades
- Automation will have an effect on manual labor jobs for BUT should be seen and embraced as a positive step forward and one which improves traditional trades



# CURRENT SITUATION

## DATA

- The internet of things is changing the way we live our lives
- Data generation goes hand in hand with the enhancements in Automation



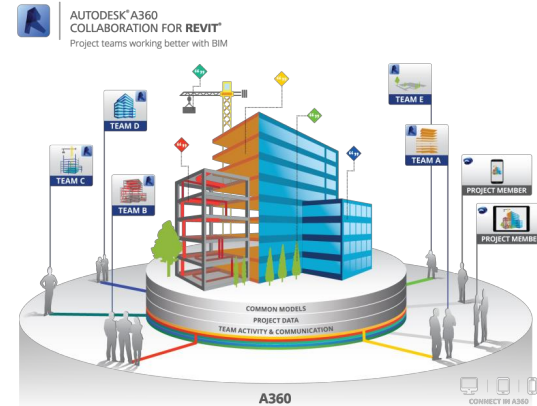
# CURRENT INDUSTRY TRENDS

## ADVANCE ACROSS INDUSTRIES

- Manufacturing – Additive Manufacturing, Generative Design
- Construction – BIM. A way to also show how tech can have a positive impact on society (housing crisis)

## INDUSTRIES CROSSING THE DIVIDE

- Technologies are not only collaborating, but are influencing non-traditional industries – Technology used in Visual Effect now used in Manufacturing and Construction



# CURRENT INDUSTRY TRENDS

## CONSUMER INTEGRATION

- Manufacturing – Additive Manufacturing, Generative Design
- Construction – BIM. A way to also show how tech can have a positive impact on society (housing crisis)



# WHAT DOES THE FUTURE LOOK LIKE?

## SHIFT IN MINDSET

- We must not forget that we are not just about preparing students for the jobs of today, but importantly the jobs of the future, many of which do not even exist yet
- We no longer can see education as a method of giving information, but a shift in focus on enhancing a Learners ability to Learn
- Micro-credentialing will become the norm in LLL

**Recognizing  
Learning**



**With Badges**

# WHAT DOES THE FUTURE LOOK LIKE?

## SHIFT IN MINDSET

- This must begin inside of education where staff must learn to become life long learners
- Education must be flexible and aligned with Industry
- As in industry, education can no longer be delivered in silos and must embrace cross curriculum, project based learning

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# WHAT DOES THE FUTURE LOOK LIKE?

## SHIFT IN MINDSET

- It is time to really put the T&E into STEM
- "Soft Skills" are essential and we must ensure that creativity & design thinking is seen as an essential connection between all subject matter where STEM becomes STEAM



# WHAT DOES THE FUTURE LOOK LIKE?

## SHIFT IN MINDSET



The time of the digital,  
virtual classroom is not  
so far away!