

CONSTRUCTION SKILLS ENERGY EFFICIENCY
REGULATING SUPPLY CHAINS TACKLING CLIMATE CHANGE

BIM CERT



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Session Title:

**Belfast Met delivering the
skills set powering the 4I
revolution**

***Reducing the energy footprint
in the built environment***

4IR - Fourth Industrial Revolution

- Characterized by the marriage of physical assets and digital technologies
- Transforms society, economies, jobs, and people's personal lives
- Disruption and about connectivity
- Requires innovative approaches to training and upskilling people for this new paradigm

Drivers of Growth

- Interaction between rapid technological innovation
- Sustainable infrastructure investment
- Increased resource productivity.

Science & Industry a new correlation

- Science is inspired by real-life problems'
- Science's mission is to enable healthier, wealthier and better life.
- In the 4I revolution - We are now witnessing a new dimension in the relationship between science and practice – ***Inclusivity***
- Industry is no longer a passive user or financier of scientific research, It needs to be deeply included in the research process in all its stages - ***Collaboration***

Construction Challenges

- Re –Skilling
- Lack of Awareness
- Digital Skills Driving Energy Performance

Collaboration – socio-economic coupling

- Creating new jobs are created
- Wider community inclusion
- Enhancing our living environment.

4IR SUMMARY

In order to realise the full potential of 4IR we must focus on people

- Encourage them through new e-connections
- Enable them with through skills provision
- Energise them with new e-skills highways
- Empower them with new e-skills qualifications