

# The 4th Industrial Revolution and the Future of Work in the Built Environment

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1 2 Y E A R S

Mechanization
Steam Power

Weaving Loon

Mass Production
Assembly Line
Telephone/Telegr
aph
Combustion
Engine
Automobile

Computing
Internet
Nuclear Energy
Cyber-to-Physical

Tech Advancement **Cloud Computing** Cyber-Physical Overlap Artificial Intelligence **Mobile Devices** IoT Platforms **Location Detection Autonomous Vehicles 3D Printing** Nanotechnology Biotechnology **Materials Science Energy Storage Quantum Computing Augmented Reality Smart Sensors Data Analytics** 

### What is it?

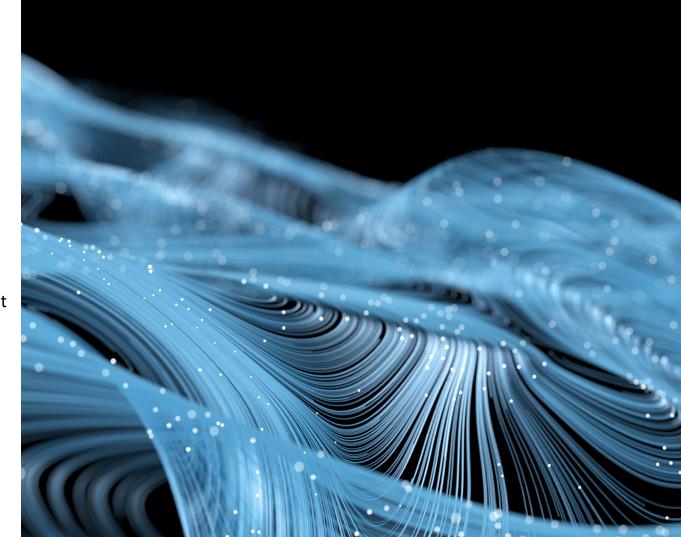


## The Perfect Storm



#### **Innovative Solutions**

- Prototype Designs
- Sustainability
- Digital Twin (continuous learning, predictive maintenance, bridging documents)
- Pivvot Land Prospecting Tool (repository of data) Site Adapt
- Off-Site (DfMA) Design for Manufacturing and Assembly
- Robotics
- Al
- AR and VR



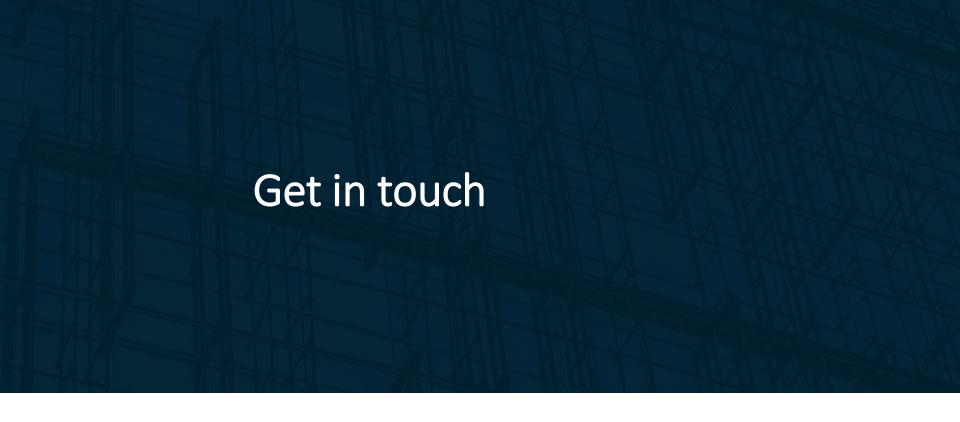




#### **Resources**

**Finding Talent** 

Focus on Diversity



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