

The definitive, practical tech series  
for Irish construction SMEs.

## EVENT SIX

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### Automating Manual Processes with AI: Innovation, Impact, and Future Trends Shaping Construction

**Why is the use of Artificial Intelligence Technologies such an important skill to acquire in construction in 2024?**

AI has the potential to have a disruptive but positive impact on construction. One of the ways AI can transform the sector is by improving safety. AI-powered sensors and cameras can monitor jobs in real-time and identify potential hazards. It also has the potential to help players realise value throughout project life cycles, including design, bidding, and financing; procurement and construction; operations and asset

management; and business workflow transformation. AI in construction will help the industry overcome some of its toughest challenges, including safety concerns, labour shortages, and cost and schedule overruns. By embracing AI-powered tools and technologies construction companies have the potential to automate many outdated analogue workflows and processes by enhancing efficiency, improving the overall quality of projects and staying ahead of the competition.

#### What are the skills required?

Examples of technical and soft skills associated with Artificial Intelligence include:

##### Technical Skills

- Data Science and Data Analysis
- Process Re-engineering and AI
- Chatbot Software Application
- Cloud Computing for AI
- Security and Compliance
- Robotics and Automation
- Machine Learning Algorithms
- Data Visualisation

##### Soft Skills

- Communication
- Creativity
- Critical Thinking
- Problem Solving
- Empathy and Emotional Intelligence
- Social Interaction
- Ethical Considerations
- Continuous Learning



Register at:  
<https://www.cita.ie/2024-events-schedule/>  
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