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 By embracing AI-powered tools and technologies construction companies have the potential to automate many outdated analogue workflows and processes by enhancing efficiency, improving the overall quality of projects and staying ahead of the competition.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

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