

The definitive, practical tech series  
for Irish construction SMEs.

## EVENT EIGHT

[www.cita.ie](http://www.cita.ie)

### Operations and Maintenance Optimisation: Proactive Responses to Equipment Performance and Predictive Maintenance through Digital Twinning

#### Why is digitising and optimising O&M an important skill to acquire in construction in 2024?

Technology today can provide a mirroring of a physical asset in the virtual sphere which can facilitate a constant flow of data between parties who manage facilities. Linking the construction model to an integrated workplace management system or building management system can provide for more seamless management of equipment and predictive maintenance functions. For operations and maintenance of both existing

and newly built facilities, digital twins can utilise real time data to access the status of predicative maintenance, process optimisation and operator training. The adoption of new technologies requires O&M personnel to learn new digital skills, built on design and construction model information seamlessly utilised by asset owners and operators that allows staff to quickly access data to better manage their daily work.

#### What are the skills required?

Examples of technical and soft skills associated with Optimising O&M include:

##### Technical Skills

- Information Management Standards
- BIM Proficiency
- CAFM systems
- Integrated Workplace Management System
- Digital Twinning
- Sustainability Practices
- Waste Reduction and Circularity
- Domain Knowledge

##### Soft Skills

- Communication
- Planning
- Negotiation
- Collaboration
- Innovation
- Data Analysis and Reporting
- Decision Making
- Teamwork



Register at:  
<https://www.cita.ie/2024-events-schedule/>  
Contact CitA Team: [admin@cita.ie](mailto:admin@cita.ie)