

THE ISSUE

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Thought Leadership Article

Developing and Using Digital Twins from Design to Handover



A digital twin can be created at any project or asset life cycle stage. However, the creation of the digital twin, or detailed planning for its creation at an early stage of the life cycle and its use in the pre-project or project stage, is desirable. Based on the type of asset and use case, actions needed during the design, construction and handover phase are different.

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Roles of Project Professionals in Adopting Digital Twins during Design and Construction



Capturing the requirements and deliverables of a digital twin initiative are essential. Alongside this, it is also necessary to understand the legal and regulatory implications and how data and information security, privacy, and accuracy can be ensured. Project professionals, including construction managers, cost managers, and quantity surveyors, play a critical role in the creation and use of digital twins for both existing and new assets, with the opportunity, and responsibility, to be the creator and steward of data and be at the foundation of their asset owners' digital twin journey.

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GLOBAL SURVEY

Data and Technology in QS and Cost Management

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RICS and Glodon are studying the role and importance of data and technology in Quantity Surveying and Cost Management practice and welcome your response.

Thought Leadership Article

Digital Twins in Design and Construction: Ten Lessons Part 1



RICS and Glodon explore digital twins in design and construction with experts through research paper and webinars. Ten lessons are learnt along the way on the definition, purpose, potential, technology, etc., from design to handover of constructed assets. In the first of this two-part article, we share insights shared by Cristina Savian, Bola Abisogun, and Peter El Hajj during the recent webinars

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