



Future Prospects of BIM Management for Sustainability in Smart Built Environment

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Message from the Guest Editors

Dear Colleagues,

Over the last several decades, a considerable number of sustainable design and construction approaches for AEC projects have been developed across the globe, using a wide range of technologies, tools, and techniques, such as BIM, to accomplish their objectives. BIM as a system is still in its early stages, and solutions in the industry are constantly evolving to meet the distinctive needs of their users. As technology has advanced in recent years, the use of BIM has proven to be an innovative, useful, and effective factor in the development of sustainable projects, particularly in the processes of designing systems, and, more recently, optimizing them from a life cycle perspective. Some of these technologies are Reality Capture technologies, Digital Twins and others. For the foreseeable future, the emphasis of research will be on investigating the potential of BIM management for sustainability in the smart built environment and making BIM-based technologies, workflows, and tools more adaptable to the creation of a sustainable built industry. This entails a wide range of study areas embedded within the process of planning, design, construction, and maintenance.





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