



Sustainable Management Techniques in Projects Maintenance

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Message from the Guest Editors

In this Special Issue, we aim to gather diverse perspectives and innovative approaches that contribute to advancing sustainable project maintenance practices. Authors are encouraged to provide insights into the challenges, opportunities and potential solutions within the context of sustainable management techniques.

The topics covered in this Special Issue include, but are not limited to, the following themes:

1. Application of new technologies such as BIM, VR/AR and digital twins;
2. Policy and regulatory frameworks;
3. Carbon emission and decarbonization strategies;
4. Construction and maintenance of green buildings;
5. Sustainability management assessment;
6. Value and performance assessment applied to project management;
7. Sustainable building materials and green supply chain practices;
8. Emergency management capacity, preparedness and methodology;
9. Ecology and environmental impact assessment.





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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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