



Net-Zero-Energy Building Solutions for Sustainability

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Message from the Guest Editors

A net-zero energy building (NZEB) is an architectural structure that is designed and built to produce as much energy as it consumes during a year. The achievement of NZEBs requires not only efficiency measures to save energy but also renewable energy and other technologies to meet energy demands. In recent years, NZEBs have become increasingly popular in the built environment. They have the potential to reduce carbon emissions, mitigate climate change, optimize building energy efficiency, and incorporate renewable energy resources.

This Special Issue aims to establish a platform for innovative strategies and promising solutions that improve the performance of NZEBs throughout their lifecycles, contributing to a more sustainable built environment.

These topics range from the design, construction, operation, and maintenance of NZEBs. They cover a range of aspects related to sustainable NZEBs, such as principles, approaches, technologies, policies, etc. Based on these topics, it is possible for researchers and practitioners to have a comprehensive and thorough understanding of how to achieve net-zero energy goals in today's built environment.





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