



energies



Special Issue Reprint

Advanced Energy Systems in Zero/Positive Energy Buildings, Communities and Districts

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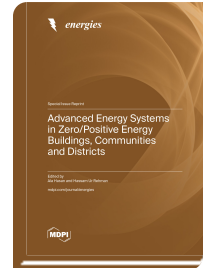
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ISBN 978-3-7258-0705-5 (Hardback)

ISBN 978-3-7258-0706-2 (PDF)



This reprint focuses on the concepts, fundamentals, and definitions of the concept of nearly/net/zero, positive energy buildings/communities/districts, and their impact on built communities. It also provides details on the energy efficiency of buildings in communities and districts, the HVAC systems, short and long term energy storages, and renewable energy integration and controls. Built environments and businesses are moving towards energy efficiency, flexibility, and self-sufficiency, and this is discussed in detail. In addition to this, while looking at the present energy crises situation resulting from economic crises, climate change, and policy changes, the concept of energy resilience is also discussed. The development of future-proof buildings and built environments are of particular interest. Finally, the economical, social, and policy-related aspects are included in the reprint in order to provide solutions for various interested stakeholders, parties, and, in general, to society.



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