

1. Record Nr.	UNINA9911031565103321
Autore	Siva Jessica
Titolo	Best Practices in Sustainable Built Environments : Case Studies from India and Australia / / edited by Jessica Siva, Josephine Vaughan, Saurabh Verma, Priyanka Kochhar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9677-18-1
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (510 pages)
Collana	Engineering Series
Altri autori (Persone)	VaughanJosephine VermaSaurabh KochharPriyanka
Disciplina	690
Soggetti	Buildings - Design and construction Sustainable architecture Building materials Building Construction and Design Sustainable Architecture/Green Buildings Building Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Design Competitions as Learning Instruments: An Australia-India Case Study -- Learning & Practicing Sustainability in A University Eco-System -- Education Outside the Classroom: Supply Chain Sustainability School -- Solar Decathlon – Net Zero Building Competition -- Learning and Practicing Circularity in the Built Environment Using Non-Formal Education -- Reflecting on Educating and Learning About Sustainable Built Environment Practices -- Cooperation/Holistic Approach Across Academia/Industry/Government -- India's First Net Zero Energy Homes -- Cost Implications of Sustainable Practices: An Australian Perspective -- Design And Construction of Climate Responsive Buildings in India -- Best Practices Case Study on Sustainable Buildings in India -- Reflecting on Case Studies on Sustainable Buildings -- Policy and Market Mechanism for Achieving Net Zero Built Environment -- Infrastructure Resilience for Disasters Due To Climate Change -- Climate Mainstreaming in Urban

Policy and Governance: Lessons from India -- Sustainability Education and Policy -- Use of Mudbricks for Construction in Victoria -- Policy Framework and Evolution of Corporate Sustainability in India -- Reflecting on the Sustainable Built Environment Policy Environment.

Sommario/riassunto

This handbook offers a comprehensive guide for built environment students, educators, and practitioners interested in integrating sustainable solutions into their projects. With climate change posing a global emergency, this handbook provides a timely guidance and inspiration, showcasing practical information and case studies from two distinct geographical locations: India and Australia. This handbook also presents innovative approaches for teaching and learning about sustainable built environment practices, highlighting engaging teaching methods used in both India and Australia to equip future sustainability leaders with the necessary skills and knowledge to address the climate emergency. It also showcases detailed case studies demonstrating best practices in sustainable built environments, with practical suggestions for implementation and scalability. Additionally, the handbook discusses the role of policy and governance as an enabler for climate change mitigation and sustainable transitions in both India and Australia. The book is a valuable reference for built environment students, educators in sustainable design and construction, practitioners in architecture, engineering and construction, policymakers and government officials involved in urban planning and sustainability and professionals seeking to enhance their understanding of sustainable practices in the built environment.
