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ISBN	1-119-05531-8
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (xvi, 583 pages) : illustrations
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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Introduction and Overview -- Chapter 2. Background -- Chapter 3. Ecological Design -- Chapter 4. Green Building Assessment -- Chapter 5. The US Green Building Council LEED Building Rating System -- Chapter 6. The Green Globes Building Assessment System -- Chapter 7. The Green Building Design Process -- Chapter 8. The Sustainable Site and Landscape -- Chapter 9. Low-Energy Building Strategies -- Chapter 10. Built Environment Hydrologic Cycle -- Chapter 11. Closing Materials Loops -- Chapter 12. Built Environment Carbon Footprint -- Chapter 13. Indoor Environmental Quality -- Chapter 14. Construction Operations and Commissioning -- Chapter 15. Green Building Economics -- Chapter 16. The Cutting Edge of Sustainable Construction.
Sommario/riassunto	The leading green building reference, updated with the latest advances in the field Sustainable Construction is the leading reference for the design, construction, and operation of high performance green buildings. With broad coverage including architecture, engineering, and construction, this book nevertheless delivers detailed information on all aspects of the green building process, from materials selection to

building systems and more. This new fourth edition has been updated to reflect the latest codes and standards, including LEED v4, and includes new coverage of carbon accounting. The discussion has been updated to align with the current thinking on economics, climate change, net zero buildings, and more, with contributions by leaders in the field that illustrate the most recent shifts in thinking and practice. Ancillary materials including an instructor's manual and PowerPoint presentations for each chapter help bring this clear and up-to-date information into the classroom, making this book a valuable reference for working construction professionals. Also, Interactive graphics found throughout the course help activate the content and highlight key concepts for students. Sustainable construction has gone mainstream, and will one day be the industry norm. This book provides a comprehensive reference to all aspects of a project to show you how green building concepts and principles apply throughout the design and construction process. Get up to date on the latest green building codes and standards Learn about the newest technology in green building materials Adopt the best practices in procurement and delivery systems Apply sustainability concepts to all aspects of construction and design Green buildings operate at a very high level of efficiency, which is made possible only by careful consideration every step of the way. Appropriate land use, landscaping, construction materials, siting, water use, and more all play a role in a structure's ultimate carbon footprint. Sustainable Construction provides clear guidance for all aspects of green building, including the most recent advances and the latest technology.
