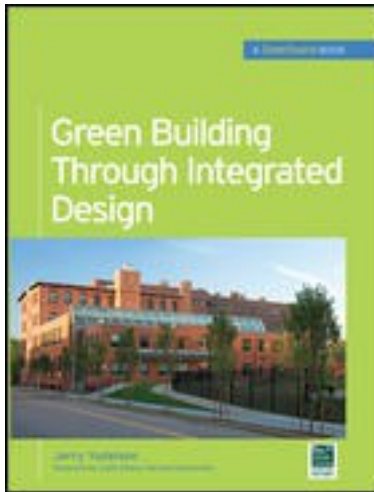


Green Building Through Integrated Design



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著者:Jerry Yudelson

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Overview

Design and Construct High-Performance Buildings on Standard Budgets

This comprehensive, well-illustrated guide covers the entire process of building a certified green building. It offers expert insight into tackling various projects, from concept and design, to unifying members of the team, to constructing high-performance buildings on time and within budget.

Written by one of the building industry's foremost experts in this area, Green Building Through Integrated Design includes case studies of a number of projects in North America. The book features interviews with key players to illuminate the integrated design process, including relevant issues, difficult challenges, and problem-solving techniques. Green Building Through Integrated Design is the most complete overview of green building project delivery methods available, and is a thorough blueprint that

every member of the project team will find invaluable.

Includes:

Key questions to ask at each stage of the green building process

Profiles of 30 projects in the U.S. and Canada

Detailed interviews with numerous designers and builders

Useful checklists, tables, and charts, and numerous project photos

Key tips on how to implement the LEED design and certification process

Information on how to use green building project management software

Green Building Through Integrated Design covers:

Project costs

Business case benefits

Green technologies

Rating and certification systems

Integrated design process

Design

Construction

Certification process

Operations

Case studies

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Preface

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Chapter 1. The Recipe for Success in High-Performance Projects

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Chapter 6. The Business Case for Green Buildings

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Appendix A: Integrated Design Resources

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Review quote

Three new books offer inspiration and practical advice for integrated, high-performance design.

By B.J. Novitski

It has become increasingly clear that high-performance design depends on an integrated design process.

This is because sustainable, high-performing architecture is not achieved by tossing together a collection of green technologies but by the interaction of many technologies and ideas across disciplines and throughout the chronology of design/construction/operation. This is easy to say, but far harder to implement...

Once inspired, a practitioner will ask: How is this really accomplished? In reply, Tucson, Arizona—based engineer Jerry Yudelson offers *Green Building Through Integrated Design* as a practice manual, packed with actionable information and showing the design process from many professional points of view. In lengthy quotes from architects, engineers, and building owners, he gives firsthand accounts of innovative teamwork. In this, the meatiest of the three books, the author specifies the characteristics of high-performance buildings, explains LEED categories in detail, and offers no-nonsense descriptions of collaboration at each design phase. Uniquely qualified, with degrees in both engineering and business administration, and a nationally recognized expert in green design, Yudelson describes the barriers perceived by clients and presents a business case for building green. The book includes an extraordinary, 400-item list of questions to consider at successive design phases. Only a fraction of buildings initially registered in the LEED database actually succeed in achieving certification. His advice can help firms reverse this trend. Don't look for

glossy photos here; instead, you will find eminently practical diagrams, data, and ideas.

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Jerry Yudelson, PE, MS, MBA, LEED AP, is founder and principal of Yudelson Associates, Tucson, Arizona, a consulting firm specializing in certifying green building projects, marketing green developments, and creating sustainability programs for corporate clients

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