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# Bookmark File PDF Becoming A Green Building Professional A Guide To Careers In Sustainable Architecture Design Engineering Development And Operations

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## BECOMING A GREEN BUILDING PROFESSIONAL

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## A GUIDE TO CAREERS IN SUSTAINABLE ARCHITECTURE, DESIGN, ENGINEERING, DEVELOPMENT, AND OPERATIONS

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[John Wiley & Sons](#) A career guide for professionals in sustainable architecture, design, planning, development, and related consulting For those considering a new career or a career change focused on green and sustainable building and design, **Becoming a Green Building Professional** offers practical information on educational requirements, career options, guidance and tips, and first-hand interviews with green building professionals. Perfect for underemployed architects and other building and design professionals who want to reinvent and renew their careers, as well as students considering such a career, this is a vital and informative guide to a growing field.

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## GREEN BUILDING

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## GUIDEBOOK FOR SUSTAINABLE ARCHITECTURE

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[Springer Science & Business Media](#) An important consideration for energy-efficient buildings is their primary energy requirements over the entire life cycle. How to determine this? What integrative factors influence the performance of a healthy and sustainable building? This, while it may be important for clients and architects to know, is frequently not very transparent. This book has been written to assist with clarifying target criteria and expanding horizons when it comes to ecological buildings. It is meant as a handbook and source of reference for clients, architects, planners and building operators, to provide them with pertinent information about their design, construction and operation: how to do this in the most energy-efficient and economical manner? Also, there is feedback and documentation about prominent buildings like the Hamburg Dockland or the Landesbank Baden-Wuerttemberg in Stuttgart. They provide excellent architectural examples for detailed construction and design solutions. Further, there are insightful interviews with architects and clients about many important buildings, which help turn this book into an integrated source of reference for sustainable architecture. - A Guideline for Planning, Construction and Operation of sustainable Buildings - A source of reference for clients, architects, planners and building operators - Innovative architectural examples with sustainable concepts and design

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## CONTRACTOR'S GUIDE TO GREEN BUILDING CONSTRUCTION

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## MANAGEMENT, PROJECT DELIVERY, DOCUMENTATION, AND RISK REDUCTION

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[John Wiley & Sons](#) Written for contractors and endorsed by the Associated General Contractors of America Written specifically for contractors, this "how-to" book enables you to meet the challenges of green building construction. You'll discover how constructing environmentally friendly, sustainable buildings influences project management, delivery, documentation, and risk. Moreover, the book guides you through these important considerations at all phases of a green construction project, including: Bidding and contracting

Managing green design when the contractor works as a design builder Subcontracting Procurement Construction management Project commissioning and closeout This book is endorsed by the Associated General Contractors of America (AGC) and was written with the assistance and advice of a specially assembled AGC task force. With a focus on the green building process from the contractor's viewpoint, the book avoids endorsing any one green building rating system in favor of presenting the business fundamentals common to them all. Throughout the presentation, flowcharts and other features offer working tools for successfully managing green construction projects. Plus, real-world case studies developed through discussions with the actual contractors involved help you understand exactly what to expect and how to best manage constructing a green building. In short, this is one book that you need to have on hand to be a part of the rapidly growing green building movement.

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## **MARKETING GREEN BUILDINGS**

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### **GUIDE FOR ENGINEERING, CONSTRUCTION AND ARCHITECTURE**

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**CRC Press** Engineers, architects and contractors seeking to expand their involvement in the green buildings market need a firm grounding in the marketing strategies and tactics which are being used most successfully in this specialized and growing field. This book is intended to serve as an effective tool for professional green building enthusiasts and advocates in presenting green design features, sustainable strategies and new products to the potential green building client. The author addresses key questions such as: How is green building marketing different from other types of professional service marketing? What tools and techniques from conventional marketing can be used to greater effect in marketing green buildings? What is the size and potential of the green buildings market? And how should a firm position itself to succeed in this growing marketplace? You'll find clear descriptions of successful strategies and approaches to marketing and selling green building-related services, as well as up-to-date information on the role of LEED® in green building projects.

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### **THE COMPLETE IDIOT'S GUIDE TO GREEN BUILDING AND REMODELING**

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**Penguin** It's easy building green! This guide helps environmentally conscious people make real-world decisions about building or remodeling a home. Readers will find information on how to save money by going green when building or remodeling, how to find the right green integrated system design, how to choose heating and cooling equipment, and how to save money on water. - Focuses on the design integration of green materials - Residential and commercial green building will grow from 2% of the U.S. construction market in 2005 to as much as 10% in 2010 (NAHB) - More than 80 regional and local green building programs are in place in the U.S. and more are being promoted in the private sector

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### **GREEN BUILDING A TO Z**

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### **UNDERSTANDING THE LANGUAGE OF GREEN BUILDING**

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**New Society Publishers** Green building is the fastest-growing trend to hit since the Internet, bringing with it an enormous range of new products, systems, and technologies. **Green Building A to Z** is an informative, technically accurate, and highly visual guide to green building, for both decision-makers and interested citizens. It begins with an introduction to the importance of green buildings and a brief history of the green building movement, outlines the benefits and costs of green buildings, and shows how you can influence the spread of green buildings. The book touches on key issues, such as enhancing water conservation, reducing energy use, and creating a conservation economy. The book examines all aspects of green buildings, including: Architecture 2030 Locally sourced materials Natural ventilation Solar energy Zero-net-energy buildings More than just a reference, this book emphasizes the importance of green buildings and green developments for a sustainable future. It will be an invaluable resource for businesspeople, homeowners, product manufacturers, developers, building industry professionals, and government officials.

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### **GUIDE TO GREEN BUILDING RATING SYSTEMS**

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### **UNDERSTANDING LEED, GREEN GLOBES, ENERGY STAR, THE NATIONAL GREEN BUILDING STANDARD, AND MORE**

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**John Wiley & Sons** The one-stop guide for choosing a green building rating system Today, sustainability is a growing concern for the architects, designers, builders, and owners of commercial and residential buildings. Meeting the requirements of a rating system provides a metric to evaluate and set priorities. But the variety and complexity of methods available to assess the eco-friendliness of a building can seem overwhelming. **Guide to Green Building Rating Systems** informs readers about the rating system selection process.

Comparing essential issues such as cost, ease of use, and building performance, this book offers solid guidance that will help readers find the rating system that best fits their needs. This easy-to-follow reference includes: An overview of the major national rating systems, including LEED®, Green Globes®, the National Green Building Standard, and ENERGY STAR® An in-depth look at each rating system, including its evolution, objectives, point structure, levels of certification, benefits, and shortcomings How the ratings systems work for different types of buildings—commercial, multi-family residential, and single-family residential construction Illustrated case studies from different climate regions with project descriptions, cost data, and lessons learned by design teams, constructors, and owners An overview of local, regional, and international rating systems Guide to Green Building Rating Systems demystifies complex material, making this book an essential reference for building professionals engaged in, or wishing to pursue, sustainable building practices.

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## **GREEN BUILDING MATERIALS**

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### **A GUIDE TO PRODUCT SELECTION AND SPECIFICATION**

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John Wiley & Sons **GREEN BUILDING MATERIALS THE ULTIMATE USER'S MANUAL TO GREEN BUILDING MATERIALS** To properly select and specify green building materials, successful architects need authoritative, real-world advice on how to select and use nontoxic, recycled, and recyclable products, and how to integrate these products into the design process in order to capitalize on the many practical and economic advantages of “going green.” Green Building Materials, Third Edition is the most reliable, up-to-date resource to meet today's green building challenges—from reducing waste and improving energy efficiency to promoting proper code compliance and safeguarding against liability claims. Written by two nationally known experts on green building methods and materials, Green Building Materials, Third Edition offers in-depth, practical information on the product selection, product specification, and construction process. This new Third Edition is an excellent hands-on guide to today's newest range of green building materials: what they are, where to find them, how to use them effectively, and how to address LEED requirements. Organized by CSI MasterFormat® category for fast access to specific information, it features: A new chapter on eco-labels, green standards, and product certification A new appendix providing reference information for sustainability standards and standards development organizations New sample specifications, including green power requirements, vegetated green roof systems, rainwater harvesting, and water reuse systems Revised and updated review of trends affecting the future of green building materials Updated approach and reference information for the product selection process Green Building Materials, Third Edition is an essential tool for designing environmentally friendly buildings—ones made from materials that preserve the Earth's natural legacy for future generations.

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## **GREEN BUILDING HANDBOOK: VOLUME 1**

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### **A GUIDE TO BUILDING PRODUCTS AND THEIR IMPACT ON THE ENVIRONMENT**

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Routledge Environmentally responsible building involves resolving many conflicting issues and requirements. Each stage in the design process from the fundamental decisions about what, where and even whether to build has implications for the environment. Evolving out of the success of Green Building Digest, a publication described by Building Design as well-researched, authoritative and exhaustive, this practical new handbook considers the environmental issues which relate to the production, use and disposal of key building products and materials. It is designed to help specifiers and purchasers gain awareness of the potential environmental impact of their decisions. Chapter by chapter Green Building Handbook looks at a different sector of the trade from flooring to roofing, comparing the environmental effects of commonly available products with less well known green alternatives. A Best Buy section then ranks these products from lowest to highest impact.

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## **THE INTEGRATIVE DESIGN GUIDE TO GREEN BUILDING**

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### **REDEFINING THE PRACTICE OF SUSTAINABILITY**

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John Wiley & Sons "The members of 7group and Bill Reed are examples writ large of the kind of leadership that is taking this idea of green building and forming it into reality, by helping change minds, building practice, and design process." —from the Foreword by S. Rick Fedrizzi President, CEO, and Founding Chair, U.S. Green Building Council A whole-building approach to sustainability The integrative design process offers a new path to making better green building decisions and addressing complex issues that threaten living systems. In The Integrative Design Guide to Green Building: Redefining the Practice of Sustainability, 7group's principals and integrative design pioneer Bill Reed introduce design and construction professionals to the concepts of whole building design and whole systems. With integrative thinking that reframes what sustainability means, they provide a how-

to guide for architects, designers, engineers, developers, builders, and other professionals on incorporating integrative design into every phase of a project. This practical manual: Explains the philosophy and underpinnings of effective integrative design, addressing systems thinking and building and community design from a whole-living system perspective Details how to implement integrative design from the discovery phase to occupancy, supported by process outlines, itemized tasks, practice examples, case studies, and real-world stories illustrating the nature of this work Explores the deeper understanding of integration that is required to transform architectural practice and our role on the planet This book, both practical and thoughtful, will help you deliver your vision of a sustainable environment. 7group, based in Kutztown, Pennsylvania, includes principals John Boecker, Scot Horst, Tom Keiter, Andrew Lau, Marcus Sheffer, and Brian Toevs, who bring a unique integration of expertise in design, engineering, energy and daylight modeling, materials assessments, commissioning, education, and communications to their work. Internationally recognized thought leaders in the green building movement, they have led countless teams through the practical implementation of integrative design on building projects of all types around the world. 7group also has been directly and deeply involved with the development of the LEED® Green Building Rating System, including experience on more than 100 LEED projects. Scot Horst currently serves as chair of the U.S. Green Building Council's LEED Steering Committee.

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## **GREEN BUILDING**

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### **A PROFESSIONAL'S GUIDE TO CONCEPTS, CODES AND INNOVATION : INCLUDES IGCC PROVISIONS**

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Delmar Pub The cutting-edge green building projects of today are quickly becoming the standard practices of tomorrow. In order for your students to keep up with this trend, they'll need to have a solid grasp on green building, and the technologies, market forces, and governmental policies that drive it. GREEN BUILDING: A PROFESSIONAL'S GUIDE TO CONCEPTS, CODES AND INNOVATION designed for students engaged in the design and building industry, instilling a basic understanding of our bioclimatic environment as it relates to these industries. The idea behind this innovative approach is that this knowledge is essential for environmentally appropriate and efficient building solutions. The end result is a powerful resource that is packed with valuable information about the current state of green construction, and where it is headed.

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## **HANDBOOK OF GREEN BUILDING DESIGN AND CONSTRUCTION**

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### **LEED, BREEAM, AND GREEN GLOBES**

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Butterworth-Heinemann Handbook of Green Building Design and Construction: LEED, BREEAM, and Green Globes, Second Edition directly addresses the needs of building professionals interested in the evolving principles, strategies, and concepts of green/sustainable design. Written in an easy to understand style, the book is updated to reflect new standards to LEED. In addition, readers will find sections that cover the new standards to BREEAM that involve new construction Infrastructure, data centers, warehouses, and existing buildings. Provides vital information and penetrating insights into three of the top Green Building Codes and Standards applied Internationally Includes the latest updates for complying with LEED v4 Practices and BREEAM Presents case studies that draws on over 35 years of personal experience from across the world

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## **GREEN FROM THE GROUND UP**

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### **SUSTAINABLE, HEALTHY AND ENERGY-EFFICIENT HOME CONSTRUCTION : A BUILDER'S GUIDE**

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Taunton Press Highlighted by more than 350 full-color photographs and illustrations, a comprehensive study of sustainable, energy-efficient, and healthful home construction offers a detailed explanation of green building fundamentals that covers such topics as site planning, materials selection, efficient energy alternatives, indoor air quality, and more at every stage in the construction process, from framing to finishes. Original.

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## **THE WORLD'S GREENEST BUILDINGS**

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### **PROMISE VERSUS PERFORMANCE IN SUSTAINABLE DESIGN**

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Routledge The World's Greenest Buildings tackles an audacious task. Among the thousands of green buildings out there, which are the best, and how do we know? Authors Jerry Yudelson and Ulf Meyer examined hundreds of the highest-rated large green buildings from around the world and asked their owners to supply one simple thing: actual performance

data, to demonstrate their claims to sustainable operations. This pivotal book presents: an overview of the rating systems and shows "best in class" building performance in North America, Europe, the Middle East, India, China, Australia and the Asia-Pacific region practical examples of best practices for greening both new and existing buildings a practical reference for how green buildings actually perform at the highest level, one that takes you step-by-step through many different design solutions a wealth of exemplary case studies of successful green building projects using actual performance data from which to learn interviews with architects, engineers, building owners and developers and industry experts, to provide added insight into the greening process This guide uncovers some of the pitfalls that lie ahead for sustainable design, and points the way toward much faster progress in the decade ahead.

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## **GREEN BUILDING MATERIALS**

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### **A GUIDE TO PRODUCT SELECTION AND SPECIFICATION**

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[John Wiley & Sons](#) **GREEN BUILDING MATERIALS THE ULTIMATE USER'S MANUAL TO GREEN BUILDING MATERIALS** To properly select and specify green building materials, successful architects need authoritative, real-world advice on how to select and use nontoxic, recycled, and recyclable products, and how to integrate these products into the design process in order to capitalize on the many practical and economic advantages of "going green." Green Building Materials, Third Edition is the most reliable, up-to-date resource to meet today's green building challenges—from reducing waste and improving energy efficiency to promoting proper code compliance and safeguarding against liability claims. Written by two nationally known experts on green building methods and materials, Green Building Materials, Third Edition offers in-depth, practical information on the product selection, product specification, and construction process. This new Third Edition is an excellent hands-on guide to today's newest range of green building materials: what they are, where to find them, how to use them effectively, and how to address LEED requirements. Organized by CSI MasterFormat® category for fast access to specific information, it features: A new chapter on eco-labels, green standards, and product certification A new appendix providing reference information for sustainability standards and standards development organizations New sample specifications, including green power requirements, vegetated green roof systems, rainwater harvesting, and water reuse systems Revised and updated review of trends affecting the future of green building materials Updated approach and reference information for the product selection process Green Building Materials, Third Edition is an essential tool for designing environmentally friendly buildings—ones made from materials that preserve the Earth's natural legacy for future generations.

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### **GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION**

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[Cengage Learning](#) **GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION** provides a current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge technology and the latest industry trends, this text offers an in-depth introduction to the construction of green homes. Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to think green from start to finish, empowering and inspiring them to build truly sustainable homes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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### **LEED CORE CONCEPTS**

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### **HARD COPY: AN INTRODUCTION TO LEED AND GREEN BUILDING**

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### **THE PROFESSIONAL'S GREEN BUILDING GUIDE**

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### **EVERYTHING YOU NEED TO KNOW TO GUIDE THE DESIGN AND CONSTRUCTION OF A SUPERIOR ENVIRONMENT FOR YOUR O**

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### **SUSTAINABLE LANDSCAPE CONSTRUCTION**

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### **A GUIDE TO GREEN BUILDING OUTDOORS, SECOND EDITION**

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"The second edition of Sustainable Landscape Construction has been updated to include the most important development and latest scientific research in the field. - It has been

expanded to provide more ideas for designing, building, and maintaining environmentally sensitive landscapes."--Jacket.

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## **THE GREEN BUILDING REVOLUTION**

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**Island Press** The “green building revolution” is happening right now. This book is its chronicle and its manifesto. Written by industry insider Jerry Yudelson, *The Green Building Revolution* introduces readers to the basics of green building and to the projects and people that are advancing this movement. With interviews and case studies, it does more than simply report on the revolution; it shows readers why and how to start thinking about designing, building, and operating high performance, environmentally aware (LEED-certified) buildings on conventional budgets. Evolving quietly for more than a decade, the green building movement has found its voice. Its principles of human-centered, environmentally sensitive development have reached a critical mass of architects, engineers, builders, developers, professionals in government, and consumers. Green buildings are showing us how we can have healthier indoor environments that use far less energy and water than conventional buildings do. The federal government, eighteen states, and nearly fifty U.S. cities already require new public buildings to meet “green” standards. According to Yudelson, this is just the beginning. *The Green Building Revolution* describes the many “revolutions” that are taking place today: in commercial buildings, schools, universities, public buildings, health care institutions, housing, property management, and neighborhood design. In a clear, highly readable style, Yudelson outlines the broader “journey to sustainability” influenced by the green building revolution and provides a solid business case for accelerating this trend. Illustrated with more than 50 photos, tables, and charts, and filled with timely information, *The Green Building Revolution* is the definitive description of a major movement that’s poised to transform our world.

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## **LEED PRACTICES, CERTIFICATION, AND ACCREDITATION HANDBOOK**

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**Butterworth-Heinemann** Adopted in the United States and a number of other countries, LEED certification is the recognized standard for measuring building sustainability. Achieving LEED personal certification or project certification is the best way to demonstrate that the project is truly “green.” Written by an architect with over 30 years of international experience, this book provides architects, designers, building owners, and construction engineers with an easy to understand guide to the nuts and bolts of LEED project and personal certification. Written in plain and easy to understand language, this “hands on” book is designed to assist readers with all aspects of LEED certification. The handbook follows the rigorous third-party commissioning process, beginning with basic LEED concepts, and then carefully explains LEED documentation and technical requirements along with its standards, professional accreditation, and codes. The handbook provides readers with design strategies for sustainable site selection, and design process for high performance building and commissioning. Other important topics include green materials and products selection as well as strategies for ensuring Indoor Environmental Quality (IEQ), water efficiency and sanitary waste disposal. This handbook also offers readers a multitude of forms with expert guidance for their completion. Clear and authoritative in scope, *LEED Practices and Accreditation Handbook* provides architects, builders/owners, construction managers, and engineers with a reference that will help them to offer their clients, peers, and the public at large compelling proof that they have achieved their projects environmental goals and that the building is performing as designed. Instruction for completing LEED checklist and forms Detailed explanation of the third-party commissioning process Explains LEED documentation & technical requirements Topics include green materials and products selection

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## **LEED REFERENCE GUIDE FOR BUILDING DESIGN AND CONSTRUCTION**

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### **LEED V4 EDITION (2016)**

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## **GREEN BUILDING TRENDS**

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### **EUROPE**

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**Island Press** The “green building revolution” is a worldwide movement for energy-efficient, environmentally aware architecture and design. Europe has been in the forefront of green building technology, and *Green Building Trends: Europe* provides an indispensable overview of these cutting edge ideas and applications. In order to write this book, well-known U.S. green building expert Jerry Yudelson interviewed a number of Europe’s leading architects and engineers and visited many exemplary projects. With the help of copious photographs and illustrations, Yudelson describes some of the leading contemporary green buildings in Europe, including the new Lufthansa headquarters in Frankfurt, the Norddeutsche Landesbank in Hannover, a new school at University College London, the Beaufort Court Zero-Emissions building, the Merck Serono headquarters in Geneva, and a

zero-net-energy, all-glass house in Stuttgart. In clear, jargon-free prose, Yudelson provides profiles of progress in the journey towards sustainability, describes the current regulatory and business climates, and predicts what the near future may bring. He also provides a primer on new technologies, systems, and regulatory approaches in Western Europe that can be adopted in North America, including building-integrated solar technologies, radiant heating and cooling systems, dynamic façades that provide natural ventilation, innovative methods for combining climate control and water features in larger buildings, zero-netenergy homes built like Thermos bottles, and strict government timetables for achieving zero-carbon buildings. **Green Building Trends: Europe** is an essential resource for anyone interested in the latest developments in this rapidly growing field.

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### **EMERALD ARCHITECTURE: CASE STUDIES IN GREEN BUILDING (GREENSOURCE)**

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#### **CASE STUDIES IN GREEN BUILDING**

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[McGraw Hill Professional](#) **Design inspiration for structures that are beautiful as well as sustainable** This unique and lavishly illustrated guide offers invaluable inspiration for the planning of sustainable structures and facilities. Twenty-four in-depth case studies provide information for a wide variety of projects—from schools, offices, and labs to libraries and a summer camp. Each case study includes a description of the building, how it works, and how successful it has been.

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#### **GREEN BUILDING GUIDANCE**

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#### **THE ULTIMATE GUIDE FOR IGBC ACCREDITED PROFESSIONAL EXAMINATION**

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[Notion Press](#) **Conventional buildings don't have sustainability because of the approach of designing and the construction method.** The total energy consumption calculates for all buildings account for up to 40% in India, and commercial and residential real estate combined will account for more than 2000 TWH of energy consumption by 2030. India has an expected energy deficit of around 12% which is one of the major hurdles for the government. This will result in a further increase in electrification in all areas. Green buildings utilize fewer resources and are healthier to live in. They offer significant operational cost savings compared with conventional buildings. In effect, green homes can expect a 14 percent savings in operational costs over five-year savings for new green buildings and 13 percent savings in operational costs over five years for green retrofit and renovation projects. Building owners also report that green buildings, whether new or renovated, give a 7 percent increase in asset value over conventional buildings.

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#### **MAKING BETTER BUILDINGS**

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#### **A COMPARATIVE GUIDE TO SUSTAINABLE CONSTRUCTION FOR HOMEOWNERS AND CONTRACTORS**

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[New Society Publishers](#) **Sustainable building from the ground up - the pros and cons of the latest green and natural materials and technologies**

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#### **DESIGN PROFESSIONAL'S GUIDE TO ZERO NET ENERGY BUILDINGS**

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[Island Press](#) **In the Design Professional's Guide to Zero Net Energy Buildings, Charles Eley draws from over 40 years of his own experience, and interviews with other industry experts, to lay out the principles for achieving zero net energy (ZNE) buildings, which produce as much energy as they use over the course of a year. Eley emphasizes the importance of building energy use in achieving a sustainable future; describes how building energy use can be minimized through smart design and energy efficiency technologies; and presents practical information on how to incorporate renewable energy technologies to meet the lowered energy needs. The book shows the reader through examples and explanations that these solutions are viable and cost effective.**

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#### **GREEN BUILDING ILLUSTRATED**

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[John Wiley & Sons](#) **FULLY ILLUSTRATED, UPDATED GUIDE TO THE STRATEGIC DESIGN OF GREEN BUILDINGS** In the tradition of *Building Construction Illustrated*, Francis D.K. Ching and Ian M. Shapiro offer a fully illustrated guide to the theory and practice of sustainable design. This guide provides architects, designers, and builders in the green design professional community a framework and detailed strategies for designing substantively green buildings. With a focus on sustainable sites, approaching and reaching net-zero energy, low and zero-water usage, minimum-impact materials and superior indoor environmental quality, this guide explains why we need to build green, as well as green building theory and advancements in the industry. This Second Edition includes: All-new case studies featuring geographically diverse buildings with proven zero energy performance Expanded

coverage of zero energy building design, as well as zero water and zero waste buildings Practical guidance for the schematic design of high-performance buildings, heating and hot water system selection, building envelope details, and integrating renewable energy Advanced strategies, such as the concept of shape efficiency, and the optimal location for stairwells in buildings Additional strategies for affordability in green design and construction Updated references to the latest codes and standards This Second Edition of Green Building Illustrated is an excellent resource for professionals, students and those interested in the design and construction of sustainable buildings.

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## **GREEN BUILDING**

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### **A USER GUIDE**

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[Createspace Independent Publishing Platform](#) This breakthrough Green building self-assessment will make you the established Green building domain auditor by revealing just what you need to know to be fluent and ready for any Green building challenge. How do I reduce the effort in the Green building work to be done to get problems solved? How can I ensure that plans of action include every Green building task and that every Green building outcome is in place? How will I save time investigating strategic and tactical options and ensuring Green building opportunity costs are low? How can I deliver tailored Green building advise instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Green building essentials are covered, from every angle: the Green building self-assessment shows succinctly and clearly that what needs to be clarified to organize the business/project activities and processes so that Green building outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Green building practitioners. Their mastery, combined with the uncommon elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Green building are maximized with professional results. Your purchase includes access to the \$249 value Green building self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.

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### **GUIDEBOOK TO THE LEED CERTIFICATION PROCESS**

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#### **FOR LEED FOR NEW CONSTRUCTION, LEED FOR CORE AND SHELL, AND LEED FOR COMMERCIAL INTERIORS**

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[John Wiley & Sons](#) Proven Strategies for Getting a Project LEED® Certified Here is the ideal guide for architects, engineers, interior designers, project managers, facility managers, and building owners for understanding the project certification process for the Leadership for Energy and Environmental Design (LEED®) for New Construction and Major Renovations (LEED NC), LEED for Core & Shell (LEED CS), and LEED for Commercial Interiors (LEED CI) rating systems of the U.S. Green Building Council (USGBC®). Written by an expert who is the President of Design Management Services, a LEED consulting firm?Guidebook to the LEED Certification Process engages readers by outlining the steps, roles, and responsibilities of the team members in a straightforward, chronological manner that helps streamline the certification process. With the release of the LEED v3 rating systems and a new version of LEED-Online, the Guidebook to the LEED Certification Process helps project teams to streamline the project team efforts and outlines the role of the LEED consultant and project administrator. Written for LEED AP professionals and building owners that need guidance navigating a project through the process, this book outlines each step in the design and construction phases including programming and post-occupancy. Serving as a valuable resource for anyone seeking information on how to get a project LEED certified, Guidebook to the LEED Certification Process features: An overview of the integrative design process. Understanding the role of a LEED consultant. How to build a successful team for a project pursuing LEED certification. How to register a project with Green Building Certification Institute (GBCI). Common pitfalls to avoid during the LEED certification process. Checklists to use during design and construction to keep the team on track.

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### **LEED PROFESSIONAL ACCREDITATION STUDY GUIDE AND PRACTICE EXAM**

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#### **A GUIDE TO PREPARING FOR THE U.S. GREEN BUILDING COUNCIL'S LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) PROFESSIONAL ACCREDITATION EXAM**

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### **SUSTAINABLE CONSTRUCTION**

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## GREEN BUILDING DESIGN AND DELIVERY

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John Wiley & Sons 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.

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## UNDERSTANDING GREEN BUILDING GUIDELINES: FOR STUDENTS AND YOUNG PROFESSIONALS

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W. W. Norton & Company Summarizes the main issues and strategies of the forceful and fast-paced green building movement. Many professions are increasingly producing tools to assist clients in breaking down and understanding the different elements that reside under the umbrella of the sustainability movement. For the design and construction professions, this unpacking often takes the form of green building guidelines and rating systems. This book aims to look at a selection of both national and local green building rating systems and guidelines, ranging from commercial to residential. While the goal is to provide students and young professionals with a solid overview of each product, enabling them to understand the differences and select the most appropriate system for their chosen projects, the book provides valuable overviews and comparisons for anyone interested in better buildings: designers, homeowners, realtors, contractors, facility managers, site designers, and more.

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## BIM HANDBOOK

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### A GUIDE TO BUILDING INFORMATION MODELING FOR OWNERS, DESIGNERS, ENGINEERS, CONTRACTORS, AND FACILITY MANAGERS

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John Wiley & Sons Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

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## YOUR ROLE IN THE GREEN ENVIRONMENT

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### TRAINEE GUIDE

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Prentice Hall Geared to entry-level craft workers, Your Role in the Green Environment provides pertinent information concerning the Green environment, construction practices, and

building rating systems. The Instructor's Guide includes 'Green' building laboratory exercises in carpentry, electrical, plumbing, and HVAC. The culminating project is a two bedroom home, with kitchen, bathroom, laundry room, and open space. Materials lists, construction methods, and a framing plan are included.

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## **BUILDING GREEN**

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### **A COMPLETE HOW-TO GUIDE TO ALTERNATIVE BUILDING METHODS : EARTH PLASTER, STRAW BALE, CORDWOOD, COB, LIVING ROOFS**

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[Lark Books](#) Helps environmentally conscious readers build a home with the health of the planet as a primary concern, offering advice on design, siting, and construction of various types of sustainable buildings.

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## **LEED PROFESSIONAL ACCREDITATION STUDY GUIDE**

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### **A GUIDE TO PREPARING FOR THE U.S. GREEN BUILDING COUNCIL'S LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) PROFESSIONAL ACCREDITATION EXAM AND TO BEING APPROPRIATELY KNOWLEDGEABLE IN SUPPORT OF SUCCESSFUL LEED PROJECTS : BASED ON LEED-NC VERSION 2.1 : FULL-LENGTH LEED PRACTICE EXAM INCLUDED**

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## **ECOLOGICAL DESIGN AND BUILDING SCHOOLS**

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### **GREEN GUIDE TO EDUCATIONAL OPPORTUNITIES IN THE UNITED STATES AND CANADA**

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The only directory of its kind in North America, this comprehensive guide features an annotated listing of schools and educational centers offering programs in ecological architecture and construction. Included also are a 10-year overview of sustainable design education, tables comparing school programs, and listings of instructors, green building organizations, selected textbooks, and publicly available curricula. Sandra Leibowitz Earley is a registered LEED®-accredited architect. She founded Sustainable Design Consulting and provides green design specifications for commercial, institutional, and multi-family residential projects throughout the country. Earley has coauthored several guidance documents, including the HOK Guidebook to Sustainable Design and the US Green Building Council Toolkit.

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## **OCCUPATIONAL OUTLOOK HANDBOOK**

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### **GREEN BUILDING THE ULTIMATE STEP-BY-STEP GUIDE**

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[5starcooks](#) What are your key Green building organizational performance measures, including key short and longer-term financial measures? Why should we adopt a Green building framework? What other organizational variables, such as reward systems or communication systems, affect the performance of this Green building process? Will team members regularly document their Green building work? What vendors make products that address the Green building needs? This instant Green building self-assessment will make you the principal Green building domain standout by revealing just what you need to know to be fluent and ready for any Green building challenge. How do I reduce the effort in the Green building work to be done to get problems solved? How can I ensure that plans of action include every Green building task and that every Green building outcome is in place? How will I save time investigating strategic and tactical options and ensuring Green building opportunity costs are low? How can I deliver tailored Green building advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Green building essentials are covered, from every angle: the Green building self-assessment shows succinctly and clearly that what needs to be clarified to organize the business/project activities and processes so that Green building outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Green building practitioners. Their mastery, combined with the uncommon elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Green building are maximized with professional results. Your purchase includes access details to the Green building self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.