

Examining the Environmental Impacts of Materials and Buildings

Part of the Practice, Progress, and Proficiency in Sustainability Book Series

Blaine Erickson Brownell (University of Minnesota, USA)

Description:

Fundamental environmental challenges such as climate change, resource depletion, and pollution are still widely relevant in today's world. Many of these problems have been associated with the architecture, engineering, and construction industries due to the level of resources used in these professions. In recent years, many manufacturers in these fields have expressed the motivation to make necessary changes that would be beneficial to the environment. Despite this progress, there remains a lack of research and assessment on the methods to achieve environmental stability within these architectural fields.

Examining the Environmental Impacts of Materials and Buildings provides emerging research exploring the theoretical and practical aspects of ecological performance within modern building design and materials-based construction. Featuring coverage on a broad range of topics such as life cycle assessment, material flows analysis, and sustainability, this book is ideally designed for architects, civil engineers, construction professionals, environmentalists, ecologists, business practitioners, scientists, policymakers, designers, researchers, and academicians seeking research on current trends in environmental performance within building design.



ISBN: 9781799824268

Pages: 358

Copyright: 2020

Release Date: February, 2020

Hardcover: \$245.00

Softcover: \$185.00

E-Book: \$245.00

Hardcover + E-Book: \$295.00

Topics Covered:

Architectural Metabolism
Carbon Storage
Ecological Footprint
Embodied Energy
Environmental Performance

Life Cycle Assessment
Material Flows Analysis
Material Harvesting
Renewable Materials
Sustainability

Subject: Science and Engineering

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA