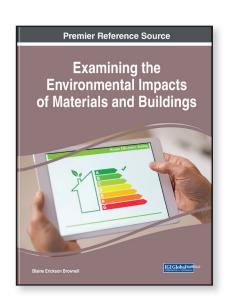
Examining the Environmental Impacts of Materials and Buildings

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

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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.

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



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