

Environmental Management in Construction: A Quantitative Approach

Environmental management is a critical aspect of construction, as the industry has a significant impact on the environment. This book provides a comprehensive guide to environmental management in construction, using a quantitative approach to assess and mitigate environmental impacts.

The book is divided into four parts:

- **Part 1: to Environmental Management in Construction**
- **Part 2: Quantitative Methods for Environmental Impact Assessment**
- **Part 3: Mitigation Strategies for Environmental Impacts**
- **Part 4: Case Studies in Environmental Management in Construction**

Part 1 provides an overview of environmental management in construction, including the importance of environmental impact assessment, the different types of environmental impacts, and the regulatory framework for environmental management in construction.



Environmental Management in Construction: A Quantitative Approach by Zhen Chen

★★★★★ 5 out of 5

Language : English

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Print length : 212 pages



Part 2 presents a variety of quantitative methods for environmental impact assessment, including life cycle assessment, environmental risk assessment, and cost-benefit analysis. These methods can be used to assess the environmental impacts of construction projects and to identify the most effective mitigation strategies.

Part 3 discusses a range of mitigation strategies for environmental impacts, including pollution prevention, waste management, and energy efficiency. These strategies can be used to reduce the environmental impacts of construction projects and to improve the sustainability of the construction industry.

Part 4 presents a number of case studies in environmental management in construction. These case studies illustrate how the quantitative methods and mitigation strategies presented in the book can be used to successfully manage environmental impacts in construction projects.

This book is an essential resource for anyone involved in environmental management in construction, including construction managers, environmental engineers, and architects. The book provides a comprehensive guide to the quantitative methods and mitigation strategies that can be used to assess and mitigate environmental impacts in construction projects.

There are a number of benefits to using a quantitative approach to environmental management in construction, including:

- **Improved accuracy and objectivity:** Quantitative methods provide a more accurate and objective assessment of environmental impacts than qualitative methods. This is because quantitative methods use data to measure environmental impacts, rather than relying on subjective judgments.
- **Increased transparency:** Quantitative methods are more transparent than qualitative methods. This means that the results of environmental impact assessments can be easily understood and verified by stakeholders.
- **Improved decision-making:** Quantitative methods can help decision-makers to identify the most effective mitigation strategies for environmental impacts. This is because quantitative methods provide a clear and objective comparison of the different mitigation strategies.

Environmental management is a critical aspect of construction, and a quantitative approach can provide a number of benefits for environmental impact assessment and mitigation. This book provides a comprehensive guide to environmental management in construction, using a quantitative approach. The book is an essential resource for anyone involved in environmental management in construction, including construction managers, environmental engineers, and architects.



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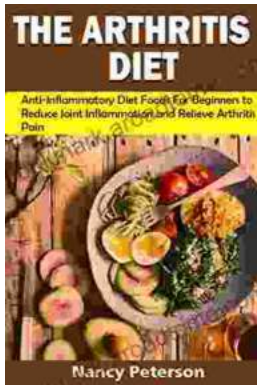
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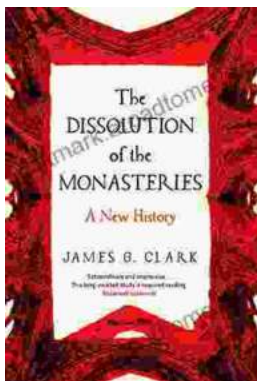
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