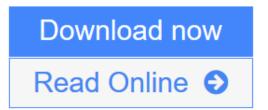


# **Energy Systems Engineering: Evaluation and Implementation**

Francis Vanek, Louis Albright



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An essential reference for all engineers and students working with energy systems, Energy Systems Engineering presents a systems approach to future energy needs, covering carbon-based, nuclear, and renewable energy sources. This unique guide explores the latest technology within each energy systems area, the benefits and liabilities of each, the challenges posed by changing energy supplies, the negative impacts from energy consumption, especially CO2 emissions, and the ways in which a portfolio of new technologies can address these problems.

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- A valuable systems approach to energy engineering
- Coverage of all major energy topics\_from climate change to wind power
- Both U.S. and global energy perspectives, with international comparisons
- Emphasis on CO2 issues and abatement, including carbon sequestration
- A wealth of equations and problems for each area of energy technology
- Numerous tables and graphs in PowerPoint format for easy presentation

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