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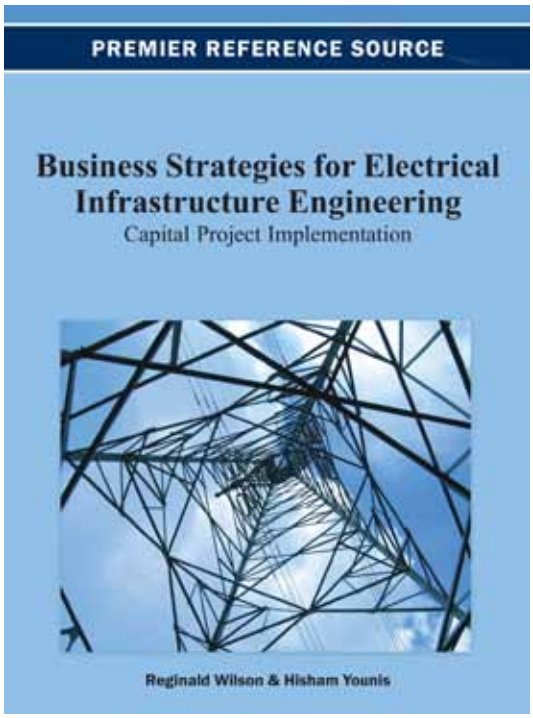
Business Strategies for Electrical Infrastructure Engineering: Capital Project Implementation



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Reginald Wilson (Redawil Engineering Company, USA) and
Hisham Younis (Wayne State University, USA)

With the principles of business strategies in mind, the analysis of cost containment plans, project risk evaluation, and the wide-range of quality planning techniques is essential for the integration of renewable generation and capital-intense endeavors in the current electrical infrastructure.

Business Strategies for Electrical Infrastructure Engineering: Capital Project Implementation brings together research on informed-decision making within the strategic planning sphere of system integration. By highlighting social responsibility and environmental issues, this book is essential for technologically-literate executives, engineers, application analysts and many more interested in high-impact process evaluation.

Topics Covered:

- Capital Planning
- Capital Project Management and Progress Philosophy
- Environmental Effect
- Fiscal Management and Cost Avoidance Strategies
- Informed Decision-Analysis
- Operations Planning
- Process Evaluation
- Quality Improvement Techniques Scenario Analysis
- System integration and challenges

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Reginald Wilson is an Industrial Operations Specialist with more than twenty years of electrical system assessments and methodical business process philosophy experience in Fortune 250 companies. He has held visiting lecturer positions teaching courses in managerial business processes, circuit analysis, and electronic instrumentation. Currently, he is a Senior Management Systems Analyst for the Skagit Hydroelectric Project with Seattle City Light and also the preceding president/owner of Redawil Engineering Company which has consulted and collaborated with several electrical utility organizations throughout North America by assisting with their process improvement efforts. Wilson has authored several articles and conference papers concerning quality measurement, equipment implementation processes, financial analysis, and strategic management. His unique research experience is in financial control systems and the engineering optimization field of electrical transmission and distribution development. A Certified Quality Process Analyst and Certified Six Sigma Green Belt, Wilson holds a bachelor's degree in engineering, and a master's degree in industrial operations from Lawrence Technological University in Southfield, Michigan (USA). He is an active member of the Institute for Operations Research and the Management Sciences, the Institute of Industrial Engineers, and the American Society for Quality.

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