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Nota di contenuto	IP-Enabled Energy Management; Acknowledgments; About the Authors; Contents at a Glance; Contents; Introduction; Chapter 1: A Stake in the Ground; How Did We Get Here?; Why Should You Care?; Collaborate and Conquer; What You Should Know about Energy; Where Does It Come From?; How Is It Used?; Energy Accounting; Calculating Your Energy Costs; Energy Intensity; Cost Allocations; Energy Use in the Digital Age; How Is It Being Used Today?; Emerging Technologies; The State of Energy Management Today; Where Is Energy Management Technology Adoption Today?; Energy Sourcing; Renewable Energy The Future of Energy ManagementSmart Loads; Smart Grid; Where Is Energy Management Headed?; Chapter 2: Benchmarking; Understanding the Scope of Considerations; Understanding Traditional Accounting Frameworks; Use What Works; Accessing Benchmark Data; Getting Permission; Where to Get It; Instrumentation Options; Structuring the Data; Program Scope; Benchmark Framework; The Bottom Line; Chapter 3: Assessing Value; Organizing the Data; Finding a Database; Ensuring Data Quality; Prioritizing Data; Translating Data Models; Formulaic

Approaches; Qualitative Approaches; Presenting the Data
The ContextComparative Models; Sharing Vision and Goals; The Bottom Line; Chapter 4: Managing Your Project; Getting Started; Drafting a Project Framework; Building a Team; Virtual Teams; Aggregating Resources and Execution; Project Milestones; Getting Organized; Getting Together; Structuring Your Success; The Bottom Line; Chapter 5: Building a Pilot Deployment; Understanding Energy Management; FCAPS; FCAPS + E; Selecting Your Teams; Defining the Mission and Philosophy; Creating the Root System; Determining Hardware Requirements; Setting Up the Database; Choosing the Data; Gathering the Data
Understanding Energy DomainsNatural Domain Structure; Smart Loads; Energy Domains as Smart Loads; Selecting Pilot Energy Domains; Communicating Results; The Bottom Line; Chapter 6: Pilot to Production; Creating a Production Plan; Reviewing the Pilot; Partitioning; Performing Inventory and Categorization; Audit Data; Roles, Ratings, and Tags; Monitored Data and Baseline; Implementing Policies; Passive and Manual; Active; The Bottom Line; Chapter 7: Reporting; Information Review; Government Mandates; U.S. Activities; European Union Activities; Chinese Activities
Emerging Nations and South African ActivitiesEffectiveness of Government-Mandated Reporting; Conversion to GHG and CO2 Equivalencies; Energy Domain Breakdown; Live, Operational, and Historical Data; The Bottom Line; Chapter 8: Administering Energy Domains; Organizing the Energy Domains; Performing Physical Energy Domain Administration; Classifying Energy Consumers; Applying Classifications to Devices; Specifying Policies; Static Policies; Dynamic Policies; Enforced Versus Suggested Policies; Implementing Policies; The Bottom Line; Chapter 9: Making Your Program Sustainable
Funding Your Program

Sommario/riassunto

"Based on a real energy management program that author Rob Aldrich implements at Cisco, this book shows you how to implement an energy management strategy that has proven to reduce and control energy costs by establishing energy as a domain that network administrators help manage for their company. In this book, you will find step-by-step instruction for implementing a comprehensive energy management strategy, beginning with benchmarking and eventually coming full circle with re-investing savings back into the program for its sustainability. The book also covers fundamentals of efficiency energy use, project management, deployment and administration of energy domains, and reporting. Hands-on instruction is emphasized in this book and case studies of the author's implementation at Cisco appear throughout the book and collectively as a complete case study."--