

POWER ENGINEERING / COMMUNICATIONS

This comprehensive resource demonstrates how to build smart grids utilizing the latest telecommunication technologies. Professionals find practical coverage of power line communications (PLC) and wireless for smart grids, as well as concise excerpts of the different technologies, networks, and services. This book presents design and planning guidelines incorporating a combination of electricity grid and telecommunication technologies that support the reliability, performance, and security required for smart grid applications.

This book covers a wide range of critical topics, including telecommunications for power engineers, power system concepts for telecommunication engineers, smart grid applications, technologies for smart grid networks, and relevant telecommunication architectures. This practical reference is supported with in-depth case studies.

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