

Applied cyber security and the smart grid : implementing security controls into the modern power infrastructure

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Abstrak

Many people think of the Smart Grid as a power distribution group built on advanced smart metering-but that's just one aspect of a much larger and more complex system. The "Smart Grid" requires new technologies throughout energy generation, transmission and distribution, and even the homes and businesses being served by the grid. This also represents new information paths between these new systems and services, all of which represents risk, requiring a more thorough approach to where and how cyber security controls are implemented. This insight provides a detailed architecture of the entire Smart Grid, with recommended cyber security measures for everything from the supply chain to the consumer.