

S3-5 Critical Solutions To Smart Grid

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Keyword: strong smart grid, key drivers, energy efficiency, critical technologies, architecture

Abstract:

This presentation discusses the key drives for smart grids that require it to be smarter with more intelligence at all levels. Therefore, a new semantic framework to favor interoperability is proposed.

Key approaches in almost all links of the power chain are addressed: stability & defense plans, smart digital substation, smart integrated control room for distribution, smart DER management system, smart metering control room, smart generation portfolio management, smart FACTs & Power Quality, smart hybrid AC/DC grids, UHVDC equipments.