

A NEW STUDY FROM:

AMADEE + COMPANY

Smart Grid:

The Coming Revolution In Electrical Power Transmission And Distribution-Global Markets, Technologies And Competitors: 2010-2020 Analysis And Forecasts

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Abstract:

The Smart Grid allows intelligent and real time monitoring of the electric power network, enables near instantaneous balancing of supply and demand, detects theft and leakage, reports outages, automates billing, enables remote disconnect, reverse net metering, and will provide consumers and business with energy management tools and information. The Smart Grid as it is implemented, will revolutionize electric power transmission and distribution. When completed it will transform society in a similar way the Internet did-if not more so.

This report examines the Smart Grid in terms of technologies, markets and competitors. The global electric power transmission and distribution (T&D) market is sized in US dollars by region and product, during the 2010-2020 period. The costs of implementing the Smart Grid are estimated for both the transmission and distribution segments, as well as different elements. The hype vs. reality is discussed along with the opportunities, risks and competitive environment. An overview of Smart Grid technologies and related issues are presented along with a detailed analysis of Smart Grid systems. The focus is on the US, Japan and China, since these countries are the leaders in Smart Grid technologies and market development. Profiles of 81 leading global suppliers of Smart Grid products and services are given along with 41 tables and 30 figures.

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