

M3-Lean and Green - Energy

Session Theme: Renewable energy alternatives are becoming more prevalent in our industry. Some companies are figuring out how to make it work for them. Hear and experience how a few organizations are answering the key questions with innovative answers.

Implementing an Industrial Smart Metering System

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Abstract

Implementing an Industrial Smart Metering System

Much of the hype around Smart Grid has focused on either the benefits to residential consumers, especially around smart meters, or to utilities with the opportunity to automate, optimize and improve however industrial energy consumers are potentially better positioned to lead the way with the smart metering concept due to their access to the kind of real-time information needed, their potential ability to manage demand and possibly their latent electrical generation. The process is initially regulatory in nature involving analysis of the state of the State's Deregulation effort, the existence of an ISO and the legislation in place relating to electric market deregulation.

This presentation describes the actual path traveled by a paper manufacturing facility that transitioned its utility requirements and capability into a smart distributive process interfacing totally with the wholesale energy market. The result has been reduced energy costs and more control over the energy costs of the facility.

Energy consumers can be either reactive to the programs offered or proactively develop their own strategies. For residential electricity consumers, many of the benefits are in the future; for industrial consumers, the benefits may be already available.