

This modern power grid shall monitor and control the power flows from power generation to end-users' consumption points in real-time with the help of grid automation, communication, and IT systems. This chapter discusses the various elements of ...

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Boonbumroong et al. proposed an optimization method for an independent hybrid power system that is based on a PSO algorithm and applied it to the case study of an existing photovoltaic/wind/diesel hybrid power system in Thailand.

Energy security and energy efficiency are key to the economic development of Belarus. Through the EU4Energy Initiative, the EU supports more reliable energy supply, promotes energy efficiency and the use of renewable energy.

On 1 September 2013, the STB ISO 50001-2013 standard on energy management systems became valid in Belarus. Unlike energy audits, it is voluntary for organisations to implement an energy management system.

Collaborating in most of the projects as a proactive partner of districts such as Smart Power System Scarl, Atena Scarl, Stress Scarl and Mar.Te. scarl, Graded increases the resources dedicated to research and development in the energy sector and contributes to the creation of a network of transport and distribution of energy integrated with ...

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