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to create a smart grid for meter readings. Due to the successful outcome of the experiment, it is possible to easily connect the PLC, the availability of this platform in many posts, a large and ...

studying the way of running the Smart Grid in the Iranian power network. The Iran Energy Efficiency Organization (IEEO) or SABA is responsible to carry out the design of Smart Grid in Iran. In this section some of the activities in Iran to reach the power grid modernization and the establishing of the Smart Grid are mentioned here.

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Abstract: Smart transmission grid developments in Iran bring forward new requirements and challenges for the national power system. Regarding to Iranian smart transmission grid roadmap, the activities performed to implement it in Khorasan Regional Electricity Company are listed in this paper. **Keywords:** Smart transmission grid implementations;

The Iran smart grid road map objectives and Iran AMI use cases identify that smart meters and smart grids are mostly likely to include the following technology options: Smart grid portfolio: o HV networks: automation, transmission line sensors, FACTS devices such as SVC Smart meter technologies: o Remote meter reading, two-way

This smart grid should be able to bring new abilities such as high reliability, self-healing, energy efficiency,

price response, peak load reduction, and distribution automation. This paper gives a comprehensive comparison of the existing grid with the future grid and as a result, an overview of essential requirements for the implementation of ...

OverviewHistoryFunctionality of FAHAMEnvironmental benefitsEconomical benefitsSee alsoExternal linksIn Iran, like many other developed countries, Smart Grid implementation is regarded as a unique way for encountering many serious environmental and economic challenges that mankind is faced today. FAHAM is the National Smart Metering Program in Iran. The functional, technical, security, economic, and general requirements of this project was published as a document after a longtime workgroup of various stakeholders including representative of grid operators, meter manufactur...

To prepare the technology development roadmap of the Iran smart grid, the first smart grid and its technologies and areas are investigated. Then, the Iran smart grid vision was outlined according to expert opinions and upstream national documents in the smart grid field as well as comparative studies.

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