

Smart grid based projects

Objective: To develop the measurement science needed to advance the ...

The Smart Grid Program develops and demonstrates smart grid measurement ...

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(Smart Grid),???

Energy generation companies supply electricity to all the households via intermediate controlled power transmission hubs known as Electricity Grid. Sometimes problems arise due to failure of the electricity grid leading to black out of an entire area which was getting supply from that particular grid. This project aims to solve this problem using IOT as the means of communication and also tackling various other issues which a smart system can deal with to avoid unnecessary losses to the Energy producers.

Started in 2012 NevonProjects an initiative by NevonSolutions Pvt. Ltd grows exponentially through its research in technology. NevonProjects works towards development of research based software, embedded/electronics and mechanical systems for research & development purposes.

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This page hosts analyses and insights from the JRC rolling reviews of smart grid projects, performed in cooperation with policy, regulatory, industrial and research partners since 2011.

Smart grids are energy networks that can automatically monitor energy flows and adjust to changes in energy supply and demand accordingly. When coupled with smart metering systems, smart grids reach consumers and suppliers by providing information on real-time consumption.

As smart grids show information on supply and demand, they are particularly beneficial for the integration of growing amounts of variable renewable energy sources, like solar and wind power, and of new loads, such as energy storage and charging of electric vehicles, while maintaining stability and efficiency of the system. In addition, smart grids open up the possibility for consumers who produce their own energy to respond to prices and sell excess amounts back to the grid.



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