

On the basis of EU global priorities and its experience of over three decades of cooperation with Nicaragua, existing analysis and projections for the country, areas of joint interest with the Member States and like-minded actors, and ...

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This document provides an overview of the latest technological and market trends on the topic of Smart Grids in the European Union. Given the broad scope of the topic and the comprehensive approach followed in the last year report, the analysis has focused instead on two specific enabling technologies which have exhibited

Since the beginning of this project, the SmartGrids European Technology Platform for the Electricity Networks of the Future has provided advice and coordination of research initiatives to various member states' stakeholders in order to foster and support the deployment of SmartGrids in Europe in consistency with the EU policy.

In this context, the European Technology Platform (ETP) SmartGrids was set up in 2005 to create a joint vision of European networks for 2020 and onwards. The platform includes representatives from industry, transmission and distribution system operators, research bodies ...

On the basis of EU global priorities and its experience of over three decades of cooperation with Nicaragua, existing analysis and projections for the country, areas of joint interest with the Member States and like-minded actors, and participatory consultations carried out by the delegation over the past years, two priority and complementary ...

smart grids initiatives in Europe, reflecting different challenges, approaches and solutions. o It presents an overview of ongoing activities and projects in the European smart grids area. o It serves as a guide for smart grids initiatives, allowing to ...

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SmartGrids RD& D needs to achieve the EU's 20-20-20 targets by 2020. The goal of this new SmartGrids SRA 2035 consists in determining longer term research and innovation activities, necessary for electricity networks and intelligent electric systems by 2035 and contributing to the EU's envisioned CO2 reduction of

minimally 80% by 2050.

Smart Grids can be described as an upgraded electricity network enabling two-way information and power exchange between suppliers and consumers, thanks to the pervasive incorporation of intelligent communication monitoring and management systems. For Smart Grids to deliver their envisaged benefits however, the realisation of physical infra-

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Smart grids will enable improved energy efficiency and the integration of vast amounts of Renewable Energy Sources (RES) from an increasingly decentralised generation and new loads such as electric vehicles and energy storage; provide an opportunity to boost the retail market competitiveness and worldwide technological leadership of EU ...

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