

Press release

2014-01-15



The Swedish Energy Agency grants 15 million kronor to Smart Grid Gotland

The Swedish Energy Agency has approved funding for phase 2 of the Smart Grid Gotland project. The grant amounts to 15 million, representing 45% of the total project budget.

In phase 2 of Smart Grid Gotland, the project intends to rebuild one part of an existing rural network in Gotland into a so called self-healing network. The distribution network will be divided in smaller sections by the installation of switching equipment and information technology solutions further out in the network. It will be possible to localize faults in the network with the help of security equipment and information from the network. In addition, the electricity will be automatically switched over to other paths so that fewer customers will be affected by the quality problems.

The rebuilding will be done in a part of the rural network between two distribution stations on Gotland and includes modernization of the distribution stations, installation of control, measurement and switching equipment as well as wireless communication of dynamic data from different units. The new rural network equipment will also be integrated with the equipment installed in phase 1 of the project.

“In phase 2, we will test cost efficient technology that can be used in the future to optimize the power network for sustainable electricity production,” said Jenny Larsson, CEO for Gotlands Energi. “With improved monitoring and self-sectioning, power utilities can raise the quality and availability of electricity for their customers.”



“The decision is a vital step in the development of smart grids,” said Per Eckemark, division manager for Power Systems, ABB in Sweden. “We will be able to show how to increase availability in a cost-efficient way in existing power networks with a high proportion of distributed wind and solar power production.”



Smart grid Gotland is a development project with the aim to demonstrate how existing power networks can be modernized to integrate more renewable energy with maintained or improved electricity quality. The project is collaboration between Vattenfall, ABB, Gotlands Energi AB, Svenska Kraftnät, Schneider Electric and KTH and is partly funded by the Swedish Energy Agency.

Read more about Smart Grid Gotland on www.smartgridgotland.se

Kontakt: Håkan Gustavsson (hakan.gustavsson@vattenfall.com) och Jörgen Söderberg (jorgen.soderberg@se.abb.com) projektledare för Smart Grid Gotland, Maria Andersson (maria.andersson@poyry.com) kommunikation.