SIEMENS

Infrastructure & Cities Sector

Press

Smart Grid Division

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Siemens to deliver two new control centers for Upper and Middle Egypt

- **Project is part of a national plan to expand local power network**
- **Will help provide people in remote areas reliable power supply**
- **For 112 years, Siemens has contributed to the most strategic projects in Egypt**

The Smart Grid Division of Siemens has signed a contract with the Egyptian Electricity Transmission Company (EETC) to deliver two new SCADA systems to Nagaa-Hamadi and Samalout, located in Upper and Middle Egypt respectively. As part of a national plan to expand the power network in Upper Egypt, a consortium of Siemens Egypt, Siemens AG and Sumitomo will implement the latest version of the SCADA-EMS (Spectrum Power 7) software. The project is scheduled for completion within three years.

With a total value of about EGP 300 million, the turnkey project comprises delivery of all software and related-hardware and all civil and electromechanical works, including the connection of 150 substations to the national grid as well as the installation works, commissioning, and training services.

The local energy market is witnessing a surging demand for power supply and more advanced technologies to efficiently manage the network, while ensuring that people at the remotest areas still have access to reliable and stable electricity services. The deployment of the new control centre platform (Spectrum Power™ 7) from Siemens will enable the grid operator to improve the availability and transparency of the transmission network by advancing and enhancing the operation and resilience of the grid.

“The project is given high priority in light of its role in developing and improving the electricity services in the country. It will help make the power supply in Upper Egypt more stable and reliable,” stated Eng. Ahmed Hanafy, Chairman of the Egyptian Electricity Transmission Company. “Contributing to reducing outage times, the new system will allow us to continuously monitor the national grid.”

Supervisory Control and Data Acquisition (SCADA) systems are used in the operator interface for the control and monitoring of power networks. Spectrum Power 7, the SCADA-EMS product from Siemens, gives grid operators control over the network's management and its energy flow. It also helps cut network maintenance costs and speeds up the elimination of errors.

"We're pleased that our proven technology will be deployed to stabilize the power transmission network in remote areas of Egypt," said Eng. Mohamed El-Mahdi, CEO of Siemens Egypt. "With our global expertise and innovative and efficient power supply solutions, we have contributed to advancing the most strategic projects in Egypt for over 112 years."

The contract is a new milestone for Siemens Smart Grid's successful business. The new control centers will help achieve proper and effective management of the network, which includes 150 substations (ranging between 132kV and 220kV) in Upper and Middle Egypt.

Balancing power generation and power consumption at all times remains a key challenge in Egypt. In order to overcome this, advanced network calculation applications need to be employed to protect the high-voltage power grid against overload outages.

Energy-efficient, eco-friendly solutions for setting up intelligent power supply networks (Smart Grids) and associated service are part of the Siemens' Environmental Portfolio. Around 43 percent of the company's total revenue stems from green products and solutions, making Siemens one of the world's leading providers of eco-friendly technology.

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The **Siemens Smart Grid Division** (Nuremberg, Germany) offers power providers, network operators, industrial enterprises and cities an end-to-end portfolio with products and solutions to develop intelligent energy networks. Smart Grids enable a bidirectional flow of energy and information. They are required for the integration of more renewable energy sources in the network. In addition, power providers can run their plants more efficiently with data gained from Smart Grids. Software solutions that analyze data from

Smart Grids will continuously gain importance. Thereby, the division uses in-house developments in addition to systems from software partners. For further information please see: http://www.siemens.com/smartgrid