

## ABB wins \$70 million power orders in Saudi Arabia to enhance grid capacity

### Substations to help meet growing electricity demand by enhancing grid capacity and reliability

Zurich, Switzerland, Apr. 26, 2012 – ABB, the leading power and automation technology group, has won orders worth around \$70 million to execute substation projects for the Saudi Electricity Company (SEC), the country's national power transmission and distribution operator. The orders were booked in the first quarter.

ABB will design, supply, install and commission a new 132/13.8 kilovolt (kV) substation at Al-Raas in the Al-Qassim province and extend an existing 380 kV substation at the Princess Nourah bint Abdulrahman University (PNAU) in Riyadh. ABB has previously built three substations to provide electricity to Saudi Arabia's first university for women and the largest women-only university in the world, comprising some 32 campuses.

ABB will also work on a project, through Ewaan Global Residential Company, a local engineering, procurement and construction (EPC) contractor, for the turnkey construction of a 110/13.8 kV substation at Al-Fareeda. This installation will provide power to a new residential development, north of Jeddah city.

"The substations will boost power capacity to address growing electricity demand in the central region," said Brice Koch, head of ABB's Power Systems division. "They will also help to improve grid reliability and power quality while ensuring energy efficiency."

The projects are scheduled for completion by 2014, and include delivery of products such as gas-insulated switchgear, transformers, medium-voltage switchgear, auxiliary systems and cables. ABB will also supply the SCADA (supervisory control and data acquisition) system as well as the automation, control and protection equipment. ABB will also equip the substations with IEC 61850 compliant communication systems to enable centralized remote monitoring and control of power assets located at multiple sites.

The Al-Fareeda substation will also be equipped with a capacitor bank, to reduce electricity losses and enhance the stability and quality of power supply by improving the network's power factor, which is an indicator of the usable power available in the grid.

ABB is the world's leading supplier of turnkey air-insulated, gas-insulated and hybrid substations with voltage levels up to 1,100 kV. These substations facilitate the efficient and reliable transmission and distribution of electricity with minimum environmental impact, serving utility, industry and commercial customers as well as sectors like railways, urban transportation and renewables.

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 135,000 people.

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