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# ABB digital technology to enhance Egypt's power grid

ABB Ability™-based technology will enhance reliability of power network in growing Suez Canal region

ABB has been selected by the Egyptian Electricity Transmission Company (EETC) to help upgrade and digitalize the electrical grid in the Port Said region, located along the country's Mediterranean coast and includes the landmark Suez Canal. The region has a growing population of over 12 million people.

The scope of supply includes an ABB Ability™ Network Manager SCADA (Supervisory Control and Data Acquisition)/Energy Management System (EMS), more than 120 Remote Terminal Units (RTUs) and a fiber-optic communications network to monitor and control the grid more efficiently. ABB Ability™ is the company's cross-industry digital offering.

The comprehensive initiative is part of the country's efforts to upgrade and modernize its power grid. A reliable supply of electricity plays a critical role in operating the Suez Canal, a major artery for global commerce, through which about 17,000 ships pass annually carrying up to 800 million tons of cargo. Demand for electricity is growing fast in the area as a result of rapid urbanization and economic growth. In addition, the country has set ambitious targets for the roll-out and expansion of renewable electricity generation as well as transmission infrastructure over the next few years. Commenting on the occasion of contract signing, Egypt's Minister of Electricity and Renewable Energy, Dr. Mohamed Shaker, highlighted the need to strengthen the power grid and address the growing demand for electricity.

The ABB Ability™ Network Manager SCADA/EMS helps monitor and control the network to ensure high system reliability and optimize efficiency. The mission-critical communication network provides a backbone where real-time data from equipment in the field can be quickly and reliably leveraged in the "control room," maximizing efficient operations. The order is part of a larger project to upgrade the grid in Egypt and will be handled by a consortium composed of ABB and El Sewedy Electric.

"ABB continues to support Egypt's efforts to upgrade and expand its power grid," said Massimo Danieli, head of ABB's Grid Automation business, within the company's Power Grids division. "The digital transformation in Egypt's power network will enhance the operations of the Suez Canal and ensure reliable power supply for millions."

"EETC is increasing the capacity, reliability and efficiency of the national grid in line with the Egypt Vision 2030 for sustainable development. We are pleased to work with ABB and El Sewedy Electric on this upgrade and digitalization that will benefit household and industrial consumers in the Suez Canal region," said Eng. Gamal Abdel Rahim, Head of the Egyptian Electricity Transmission Company.

ABB has been a long-standing technology partner supporting the development of Egypt's power infrastructure and has an extensive manufacturing presence in the country.

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in power grids, electrification products, industrial automation and robotics and motion, serving customers in utilities, industry and transport & infrastructure globally. Continuing a history of innovation spanning more than 130 years, ABB today is writing the future of industrial digitalization with two clear value propositions: bringing electricity from any power plant to any plug and automating industries from natural resources to finished products. As title partner in ABB Formula E, the fully electric international FIA motorsport class, ABB is pushing the boundaries of e-mobility to contribute to a sustainable future. ABB operates in more than 100 countries with about 147,000 employees. [www.abb.com](http://www.abb.com)

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