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## Siemens to strengthen Egypt's national grid with two new substations in the Delta region

- **Fast-track installation and erection time of less than 15 months**
- **Featuring one of the country's largest turnkey substations ever supplied**
- **Substations will transmit electricity from the Burullus plant, supplying 15 million Egyptians with electricity**

In a new move aimed at improving the resilience of Egypt's power grid, Siemens today announced the completion of the two substations, Samanoud and Aboul Matameer in Egypt. The project marks one of the country's largest turnkey substations ever supplied. The two substations were built to transmit electricity from the Burullus power plant, the world's largest gas-fired, combined cycle power station, to the national grid.

Gaber El Desouki, Chairman of the Egyptian Electricity Holding Company (EEHC), said: "To enable more resilient, efficient and reliable power systems, Egypt needs to enhance the country's transmission lines to accommodate the increase in power generation capacity. This is why the EEHC has been redefining the conventional approaches to upgrade the grid infrastructure across the country."

The two 500/220-kilovolt (kV) substations will enable power delivery to Egyptian homes as well as different industries located in the Delta, Alexandria and Kafr El Sheikh areas. They will also help increase the capacity of the national grid, which is a key requirement to foster economic growth as defined by the goals of Egypt's vision 2030.

Emad Ghaly, CEO of Siemens Egypt, said: “An efficient and robust electricity network is an essential part of Egypt’s vision to drive long-term economic growth. We are pleased to build on a trusting relationship with EEHC to boost grid infrastructure.”

Farag El-Saadany, Senior Executive Vice President of Siemens Transmission solutions, in Egypt, added: “The two new substations will not only deliver more electricity to more homes, located near Alexandria and Kafr El Sheikh Governorates, but also support the focus on industrialization by providing reliable power supply to energy-intensive industries. They will feed power to cement, oil and gas and petrochemical facilities as well as ongoing infrastructure development projects in the Delta region.”

The fast-track project was executed in a consortium with El Sewedy. As part of the agreement, Siemens was responsible for the design, engineering, construction, supply, and installation and commissioning of the two turnkey substations. This includes gas-insulated switchgear (GIS); power transformers; control systems as well as protection and telecommunication equipment.

Egypt outlined an ambitious target of developing 54 gigawatts (GW) of additional generating capacity by 2022 to accommodate its rapidly-growing population and economic expansion. To help the country meet this growing demand, Siemens has been analyzing Egypt’s energy system, carrying out a “Transmission Network Study”. In partnership with the Egyptian Ministry of Electricity and Renewable Energy, the study will include the existing, as well as the expected increases in Egypt’s power generation capacity until the year 2025.

The new substations build on Siemens’ contributions towards strengthening Egypt’s power sector. It comes shortly following the company’s construction of six substations, in El Minia, El Beheira, Qalubia, Assiut and Kafr El Zayat cities, to transmit energy from Beni Suef and Burullus power plants. The first two substations were energized in a record time of only 10 months; from the contract signing to match the implementation timeframe of the mega-sized power plants.

Siemens has been a development partner to Egypt for over 115 years. The company has managed to boost the country's power generation capacity by 45 per cent through its mega projects. To date, approximately 50 per cent of the substations in the country are built by Siemens technology, improving national grid stability and responsiveness.

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