

Greece Orders \$20 Million Substation from ABB



Public Power Corporation, Greece's national power utility, has awarded ABB a US\$20 million to build a 150/20-kV substation in Athens.

The Ampelokipi indoor gas insulated switchgear (GIS) substation will be located in the city's metropolitan area. It will increase the capacity of the urban power distribution network and facilitate reliable power supply to household consumers as well as hospitals, government and commercial buildings.

ABB has turnkey responsibility for the design, engineering, supply and installation of the substation. Key equipment includes eight 150-kV GIS bays, three 150/20-kV 100-MVA power transformers and 150 arc-proof switchgear panels. The substation will be equipped with an IEC 61850 substation automation system to facilitate open communication between the control and protection devices within the substation and beyond. This type of environmentally friendly electrical installation minimizes space requirement and visual impact on the area. It also eliminates the need for overhead transmission lines, as it is connected to the grid via underground cables.

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