

Extension of a 30-year-old gas-insulated switchgear

Facts

Delivered in: March 2012

ABB Product: Delivery of two 132 kV gas-insulated ELK-04 switchbays.

Special requirements: Only confined space available; design of new ELK-04 technology had to be adapted to the existing substation environment.

Previous history

Extensive sales talks were held with ABB Jordan concerning the extension of a gas-insulated ELK-02 switchgear that was initially installed more than 30 years ago. In September 2011, ABB Service Power Technologies was awarded the order to deliver two 132 kV gas-insulated ELK-04 switchbays for the Al Bakir transformer substation in Iraq.

This investment became imperative in the light of the growing power demand caused by the new steel-factory construction project in the vicinity of the plant and in order to be able to assure adequate interfacing to the Iraqi national electricity network.

Customer benefit

- Competent consulting support during the engineering stage
- Proposal of convincing and technically mature solutions
- Reliable operation of the 132 kV substation
- Security of energy supplies and personnel safety
- The previous infrastructure was maintained
- Simplified extension thanks to the use of standardized adapters



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