

UFES Retrofit

UFES on non-ABB switchgear

Main Facts

Customer: Steel
Commissioning: 2011
ABB Product: Safety upgrade – UFES retrofit
Special: UFES-installation on thirdparty switchgear

History

A severe failure on site of a customer totally stopped the production. After decontamination and assessment of the substation ABB MV Service evaluated and in the end integrated a completely new 10 kV switchgear system equipped with the new ABB arc eliminating technology, the Ultra Fast Earthing Switch, UFES.

The additional safety feature and increased availability in the ABB switchgear convinced the customer so much, that ABB MV Service received an order to install the UFES also in newly installed non-ABB switchgear.

Performed actions

For installing the UFES directly in the non-ABB switchgear an empty panel was shipped to the service workshop in Ratingen and modified by ABB service-specialists to integrate the UFES on a withdrawable system on a standard switchtruck. On site, the existing non-ABB switchgear only had to be extended with the spare panel equipped with UFES retrofit.

This project shows the flexible use of UFES and how it can be integrated in ABB as well as in non-ABB switchgear. The know-how and the professionalism of the engineering department as well as the high potential ABB service specialists enabled ABB to integrate the UFES in major competitor switchgear.



Customer Benefits

After verifying the advantages of the UFES retrofit solution at the 10 kV ABB switchgear, it was important for the customer that also the non-ABB switchgear is upgraded to the highest level of internal arc protection. This leads to unbeatable advantages for the customer.

- Highest possible protection for operating personal on non-ABB and ABB switchgear.
- Greatly increased system availability by avoidance of heavy damages inside the non-ABB switchgear and the direct environment.
- Drastic reduction of downtimes and repair costs in case of an internal arc.

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