INP Reference

Substation Großgartach Conversion

LOCATION: Leingarten (close to Heilbronn), Germany

SYSTEM/TECHNOLOGY: High-voltage transmission networks

SERVICES: Production monitoring, Project management, Quality assurance, Documentation, As-built status and data recording, Installation supervision

INDUSTRY BRANCH/TYPE OF PLANT: Transmission & Distribution

CLIENT: TransnetBW GmbH

Project description

As a transmission system operator, TransnetBW is required by law to operate a high-performance power network, to optimize it and expand it where necessary.

Reason for the construction measures are, among other things, the increased requirements from the distribution network and a higher power demand from the region, the conversion of the existing 220 kV lines from the middle Neckar Region to 380 kV and the legal requirement of separation (unbundling) of the distribution network and transmission system operator (among other things, spatial separation of factory buildings on the premises and separation of the technology that has been shared so far).

In addition, the entire plant in Großgartach is supposed to be designed to meet future requirements. (Source: TransnetBW project overview) The conversion of the Großgartach substation is a site preparation project for the SuedLink converter project.

POINTS OF CONTACT



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INP Services

INP was commissioned to check the design and execution documents submitted to the customer by the contractor for the gas-insulated substation and associated systems for compliance with the contract guidelines and to comment on deviations.

- Document review to check for contract conformity
- Document management for overall project
- Factory tests/inspections
- Document and report creation
- Construction site inspections/photographic progress documentation
- System thinking approach for the entire substation, gaps and collision detection
- Design comparison with parallel projects and same switchboard type
- Monitoring of the reconnection phase planning ("Brownfield Project")