

Daxlanden substation

Feasibility study for the conversion of a 220 / 380 kV switchboard

Project description

During the adjustment measures to the transmission grid necessitated by the energy transition, a need was identified to increase transmission capacity within the Baden Rhine railway and the region of Frankfurt – Karlsruhe. And to achieve this, the current 220 kV overhead lines in the abovementioned areas are being converted to 380 kV. These measures also require corresponding reinforcements and conversion work on the switchboards affected. One of these systems is UW Daxlanden, which was built in 1962 by AIS Technik but which needs to be reinforced and converted in line with the new requirements.

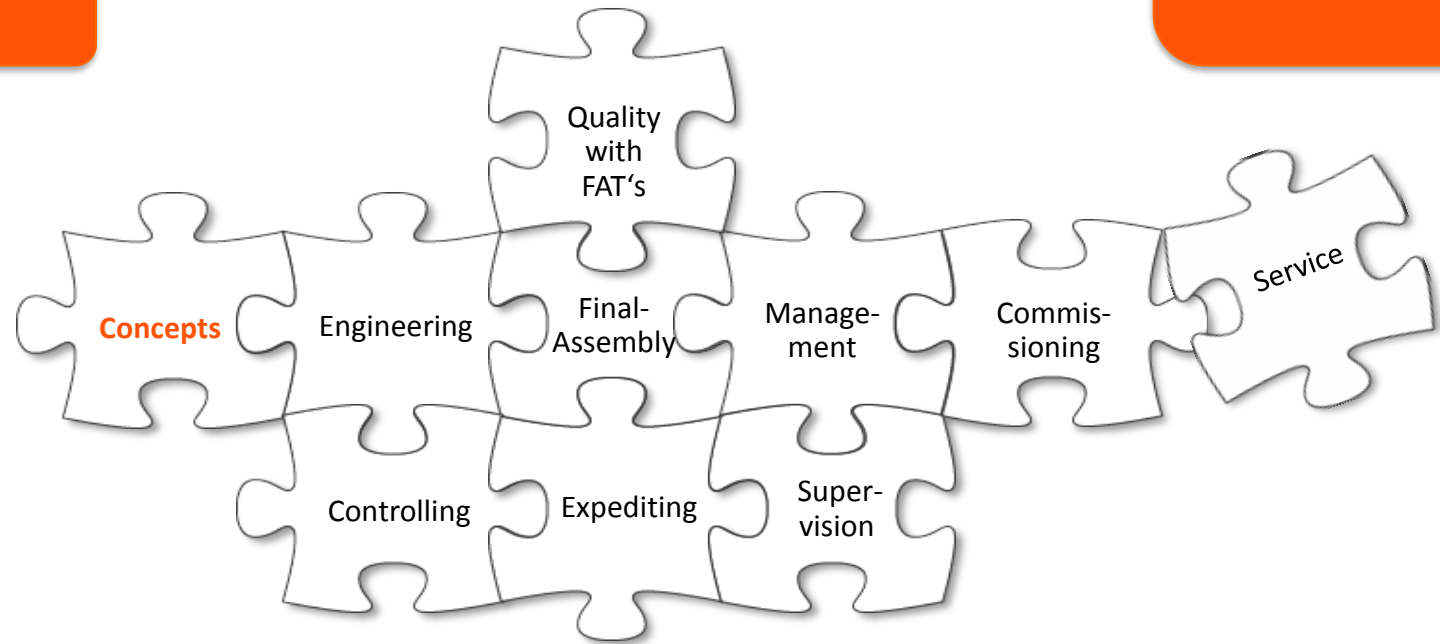


The role of INP Switzerland

INP Switzerland worked as a team to develop three conversion variants for UW Daxlanden. This required the construction of the 34 specified 380 kV fields without interrupting or endangering operations at the substation. The plot of land on which the substation is situated cannot be increased, which means the conversion process must be performed step-by-step. INP planned the conversion steps for the variants deemed feasible (including all necessary activations), created a rough cost estimate and schedule, and assessed the variants to enable a decision to be taken by TransnetBW.

Smart E-Engineering-Services

Flexibility Throughout the Project



- Project management of the feasibility study
- Planning of conversion steps
- Scheduling
- Rough cost estimate
- Close collaboration with the client and the other suppliers
- Creation of the report including the assessment of variants and variant recommendation
- Presentation of the variants



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