

WATL & EATL – SIEMENS AG

Western Alberta and Eastern Alberta

Transmission Lines: +/- 500kV, 1000MW
HVDC Substations

Project Description

Alberta, Canada: To connect the oil rich and energy producing oil fields in the north of Alberta with the high consuming south, two 500kV transmission lines were built over several hundred kilometres. To connect the transmission lines to their producers and consumers, four HVDC Substations were built, two outside of Calgary in southern Alberta and two near Edmonton in the north.



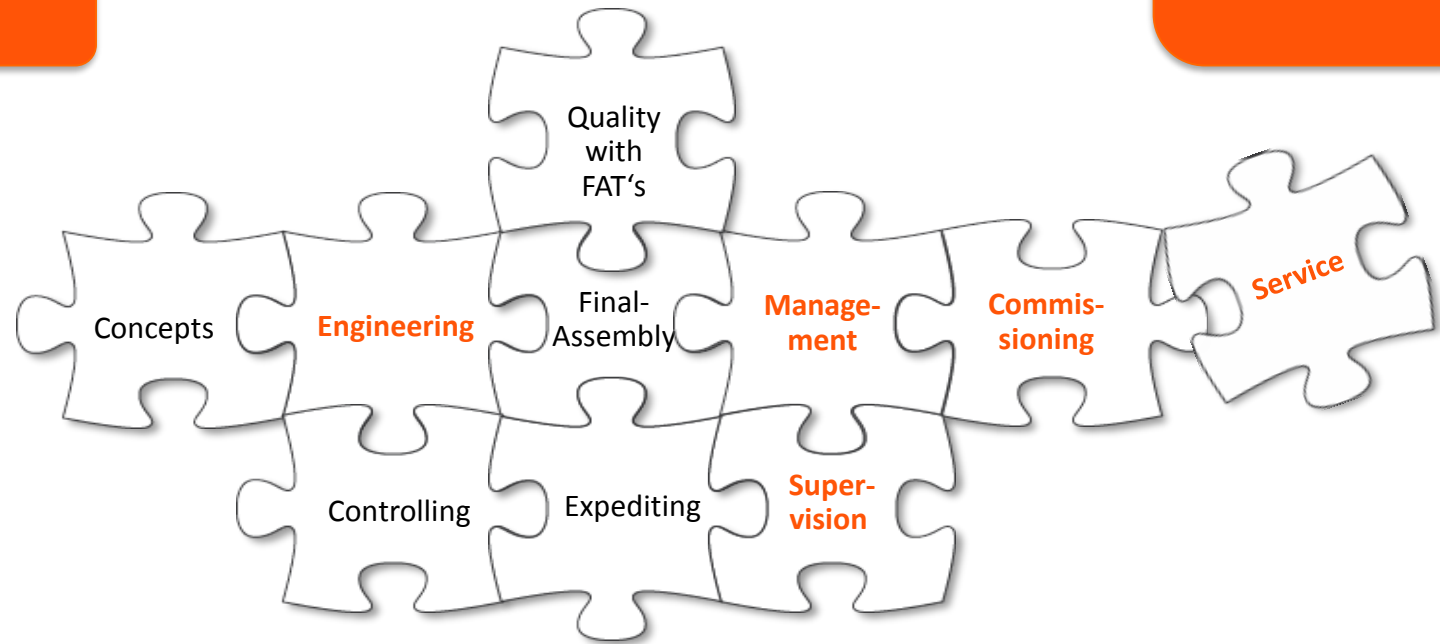
Role of INP Switzerland

INP assisted Siemens with personnel both for on-site and off-site activities. INP personnel was active in the HVDC engineering, on-site management, commissioning of control systems / electrical protection systems / SCADA systems / primary components such as transformers and switchgear and provided administrative site support.

INP trained and supplied expertise personnel and managed long-term delegations locally through INP's Canadian office (INP Canada Inc., Toronto). Through close collaboration between the worldwide INP offices, a large group of highly qualified engineers were able to assist Siemens with bringing these HVDC Substations to the grid.

Smart E-Engineering Services

Flexibility throughout the project



- HVDC engineering
- Site construction supervision
- Electrical commissioning of: Control systems, electrical protection systems, SCADA systems, primary components (transformers and switchgear)
- Administrative site support
- On-site management
- Training of expertise personnel
- Long term maintenance



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