



## WATL & EATL Western Alberta and Eastern Alberta

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

### Project Description

- Commissioning of all conventional systems of 4 HVDC stations
- Construction Management, supervision and commissioning management



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 & Scope

- Provision of qualified personnel for on-site and off-site activities
- Engineering and commissioning support for HVDC systems
- Commissioning of control, protection and SCADA systems
- Commissioning of primary equipment incl. MV distribution, HV transformers, UPS, SVC
- On-site coordination and administrative support
- Deployment and management of expert personnel via global INP offices

### Highlights & Benefits

INP global entities coordinated to delegate experts from our international offices. With support of the local INP Canada entity, we supported Siemens throughout the entire project execution, incl. final operation and maintenance.

### Technical Component Details

- 4x HVDC substations, +/- 500kV
- Turnkey delivery scope incl. DC/LV/MV switchgears, AC protection systems, SVC, UPS, MV and HV transformers, as well as HV AC switchgear

## REFERENCE



Customer: **Siemens**

Location: **Alberta, Canada**

Project Duration: **2+ years**

Services: **Construction Supervision & Management, Commissioning & Commissioning Management**

*“INP Schweiz significantly supported INP Canada and Siemens with expertise for the construction supervision and with the commissioning of the AC components at EATL & WATL. With a team of more than 15 engineers, both projects were completed as a full success.”*

**JUAN PINTO, HEAD OF  
INP CANADA LLC**