

**Customer:** Siemens Canada

**Location:** 4 Different sites

**Time & Duration:** June 2014- 2019.

**Technical Description:** EATL and WATL projects in Alberta

**Technologies:** Win-TDC and WinCC, Siprotec 4

Reference: Siemens Canada 14-134 / 2.1.3



## Project Description

Siemens needed specialized manpower to help, mainly, with installation supervision and commissioning activities on the HVDC stations.

## Solution

The HVDC equipment is based on a state-of-the-art technology that has been able to thrive after the development and evolution of power electronics. Thankfully to our strong ties with Siemens in Erlangen we have been able to cooperate on this kind of projects for nearly 10 years. This has given us the chance to develop very skilled and specialized engineers that have stayed with INP for all these years. This group of engineers with very strong knowledge helped us to develop younger engineers to support more projects in the Americas.

## INP Tasks

Provided mainly installation supervision and commissioning activities of mechanical and electrical equipment inside the substations, this equipment includes, Transformers, Switchgears, disconnectors, reactors and capacitor banks, (FACTS – Flexible AC Transmission Systems)

Provided commissioning activities on the pole control and station control systems which are based on TDC and WinCC Siemens technology

Provided commissioning activities on the different protection relay equipment they have to protect different HV and MV equipment such as Transformers, and HV transmission lines either on AC or DC.

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