ONE COMPANY, INFINITE POSSIBILITIES

We serve more than two million customers around the world, delivering innovative, sustainable and integrated solutions in Structures & Logistics, Electricity, Pipelines & Liquids, and Retail Energy.

From the delivery of efficient and reliable energy for homes, businesses and communities, to affordable temporary and permanent structures, we build communities, energize industries and deliver customer-focused infrastructure solutions like no other company in the world – anytime, anywhere.

Contact us at ElectricitySolutions@ATCO.com to discuss how you can benefit from our HVDC solutions.
From our long-term experience in designing, building, owning and operating multiple high-voltage direct current (HVDC) systems, we know and understand the complexity of large-scale HVDC infrastructure. Count on us to support you through each stage to meet your needs, from design to implementation.

**OWNER’S ENGINEER**

When you are looking to implement HVDC technology, leverage ATCO’s experience in HVDC to ensure the success of your project.

Our services include:
- Feasibility, system, and engineering studies
- Technical spec development
- Control & Protection system design and testing
- Control System replacement
- Construction and Commissioning support
- Operation and Maintenance support
- Training
- Project Management Services

**WHY ATCO FOR YOUR HVDC NEEDS?**

From our long-term experience in designing, building, owning and operating multiple high-voltage direct current (HVDC) and flexible AC transmissions (FACTS) systems, we know and understand the complexity of HVDC and FACTS infrastructure. Count on our leading experts to support you through each stage, from feasibility studies through design to operations. ATCO can take on a role that fits best for the client’s needs. ATCO brings the utility mindset of customer service excellence to HVDC & FACTS

**SAMPLE PROJECTS**

**EATL HVDC Link**

Eastern Alberta Transmission Line is a 485 km long, 500 kV bipolar HVDC overhead transmission line interconnecting Newell HVDC converter station in Brooks, Alberta with Heathfield converter station near Gibbons, Alberta - northeast of Edmonton. EATL was commissioned in 2014 and is owned and operated by ATCO.

**Labrador Island Link (LIL)**

LIL is a 1,100 km 900-megawatt High Voltage direct current (HVDC) transmission line running from central Labrador, crossing the Strait of Belle Isle, and extending to Soldiers Pond on the Avalon Peninsula. The link is owned and operated by Nalcor. ATCO has been providing services to Nalcor since 2017 including overall technical leadership for converter stations, integration studies, C&P testing, commissioning and construction oversight, operations and maintenance support, and staff training.

**McNeill HVDC Link**

McNeill is a 150MW back to back HVDC link interconnecting the asynchronous Alberta and Saskatchewan AC systems commissioned in 1989. The original analog control and protection system was replaced by a newer digital system in 2015. The link is owned and operated by ATCO.