



PIPELINE ENGINEERING

With decades of expertise in pipeline engineering, Lauren has earned a reputation for delivering the innovative solutions needed to meet the complex challenges of today's energy infrastructure.

We continue to grow our footprint across Canada, working on some of the most cutting-edge projects in traditional and transitional energy. Known for our ability to adapt to dynamic and challenging conditions, we get the job done when others can't. From initial design to final inspection, our team collaborates with you to deliver high-performance, safety, and efficiency at every stage. Whether it's transporting critical resources or building resilience and risk mitigation into your operations, we're committed to delivering the results you need—on time and on budget.



SUPPORTING SERVICES

- **Pipeline route selection and review**
 - Route maps, kmz
- **Pipeline and pipeline facilities engineering and design**
 - CSA Z662, ASME B31
 - Stress analysis
 - Wall thickness
 - Buoyancy calculations
 - Pipeline crossing surface loading (CEPA)
 - Process Engineering related:
 - Flow rate calculations
 - Pressure drop calculations
 - Hydraulic profiling
- **Material specifications**
 - CSA Z245, ASME B16, API
 - Pipe, valves, fittings
- **Pipeline and pipeline facilities related design drawings**
 - P&ID, PFD
 - Piping plans and sections
 - Isometrics
 - Alignment sheets
 - Tie-in details
 - Right of way and workspace drawings
- **Trenchless and HDD designs**
(refer to trenchless sales sheet)
- **Hydrogen pipeline**
(refer to hydrogen pipeline sales sheet)



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LAUREN
Engineering & Project Delivery