

Fluid Properties Measurement Cabinet

The design for fluid property measurement within Canada is typically comprised of a building housing flow, pressure, temperature, viscosity, and density measurement in a pumped "fast loop" configuration. This is a proven, but expensive design. In the Client's US system, a different design philosophy is used, wherein all required equipment is packaged into a relatively small cabinet. This is significantly less expensive and reduces on-going maintenance. The Client wanted to adopt the US design with modifications as necessary to suit Canadian Operational, Specification, and Regulatory requirements. Rally provided detailed execution of a Canadian cabinet design, including specifications, fabrication drawings, and material requisition (MR) package.



Fluid Properties Measurement Cabinet

Alberta

Pipeline Facilities

\$2M TIC



Scope of Work

Rally prepared a comprehensive Canadian specification design drawing & MR package based on a markup of the US specification Fluid Properties Measurement Cabinet.

The drawing & MR package detailed the mechanical, piping, structural, instrumentation, and electrical components required to provide a safe and functional measurement system. All drawings were prepared using SI units and Canadian specifications (e.g. CSA) as applicable.

The Canadian design conformed to all applicable regulations and codes, as well as the Client's Canadian Specifications and Operational requirements.