

Hebron Expansion: Across the Dock



CLIENT: Newfoundland Transshipment Limited

DURATION: 2016 - 2017

MARKET: Oil & Gas

LOCATION: Whiffen Head, NL

Project Type: Mechanical, Piping, Electrical, Instrumentation, Structural Fabrication, Start Up and Commissioning



The Newfoundland Transshipment Terminal is a major marine facility for oil production. In 2016, the terminal required an upgrade to accommodate crude from Hebron, Newfoundland and Labrador's fourth major offshore oil project.

Scope of Work

Cahill upgraded the port facility, including heat trace of existing pipelines and installation of a new metering skid to improve dock to dock transfer. The scope of work included:

- Installation of heat trace and insulation of:
 - Existing piping on the jetties and land (from small bore to 42" pipe).
 - New 10" and 30" pipe.
 - Metering skid, prover and all associated piping.
- Piping and equipment additions on two loading docks.
- Addition of Electrical Room on loading dock.
- Power upgrade to port facilities.
- Pipe and structural steel fabrication.

Highlights

- Safely executed all work under challenging conditions including:
 - Scaffold erection and dismantling, sandblasting, and painting over open water.
 - Transportation and loading of oversized skid modules.
- Uninterrupted shipping operations throughout the two year project.
- Worked closely with client to plan shutdowns for integration of new and existing systems.
- 0.3% weld repair rate on 1100 welds.
- Significantly improved production by utilizing Surface Tension Transfer (STT) process.
- Work completed by Cahill Construction, Cahill Fabrication and Cahill Technical.