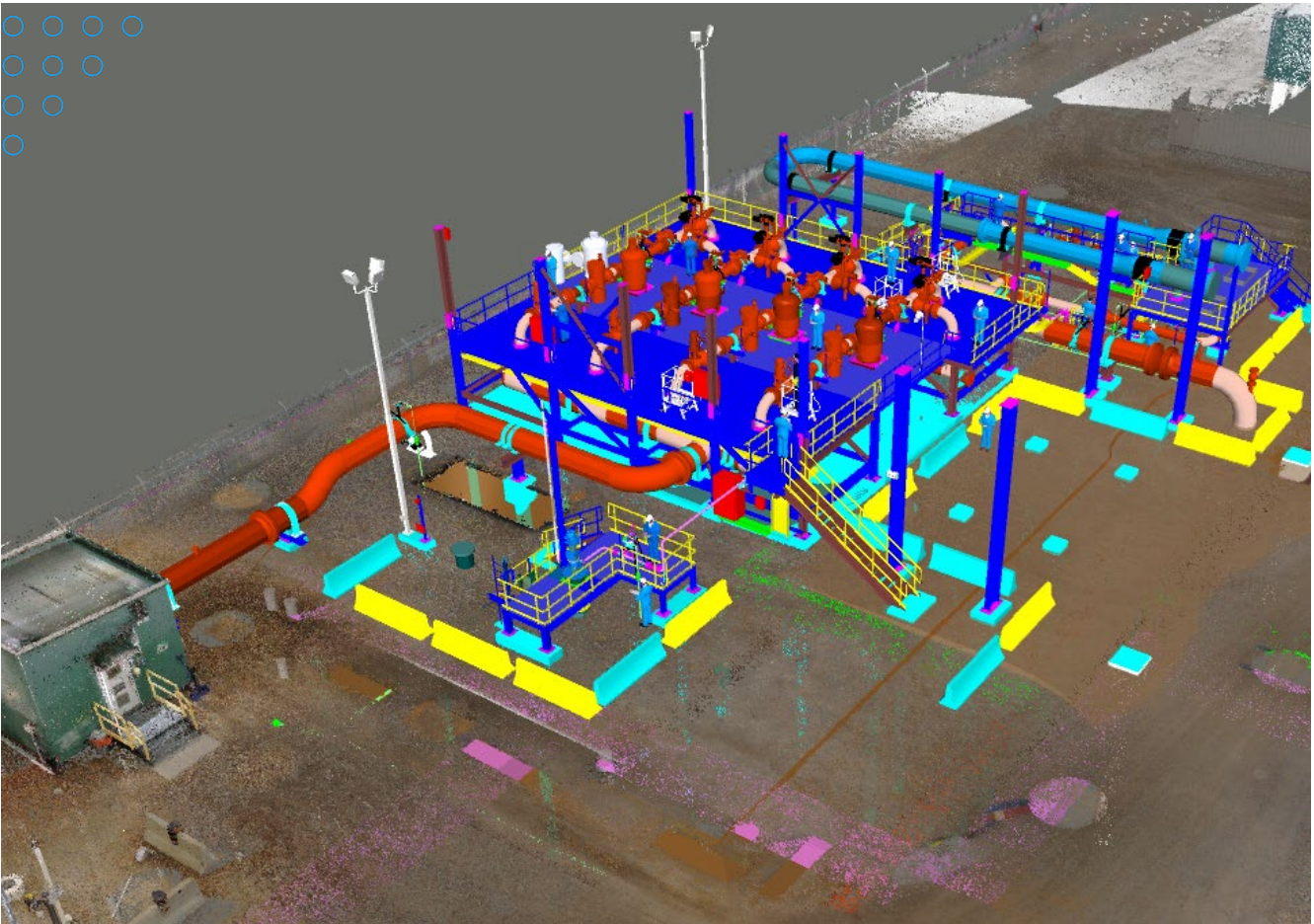
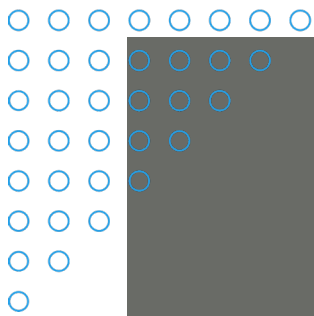


Pipeline Metering Project

The client had a single flow line accepting a Dilbit Blend at their station from an oil facility, then shipping the product down to their pipeline terminal. The maximum flow rate of this pipeline was 570 kbpd. The oil facility added a royalty metering system at the client's station. The scope consisted of metering skids, a prover, an underground sump tank with a reinjection pump, modification to the existing surge relief system, and upgrades of the PN20 station piping to PN50 and PN100 piping.

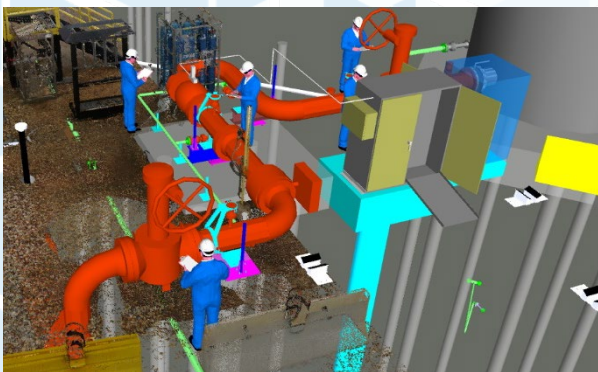


Pipeline Metering Project

Alberta

Pipeline Facilities

\$40M TIC



Scope of Work

Construction work packages (CWPs) defined modifications and new infrastructure required at the station to comply with the royalty metering requirements. Consideration was made to ensure space allowance of the metering assets for future expansion of up to 1,000 kbpd.

Deliverables

- All multi-discipline engineering CWPs and material requisitions (MRs).
- A steady state hydraulic analysis to determine the required battery limit pressure required to overcome the additional pressure loss associated with the facility upgrades.
- Engineering and design support for the preparation of all permits and regulatory submissions, and responses to information requests from regulatory bodies.
- A Class III cost estimate, refreshed in parallel with the detailed design.