

Install Hydrogen Jumpover Line

One of the process units at the Client's site was prone to occasional gas compressor trips. These events left residual light hydrocarbons in the reactors – a potential hazard upon restart. As a safeguard, the Client wanted the ability to sweep the reactors with make-up hydrogen while the catalyst was still hot. Rally engineered a jump-over line between two pipe headers that allowed the operators to quickly redirect make-up hydrogen into the reactors after future compressor trips.

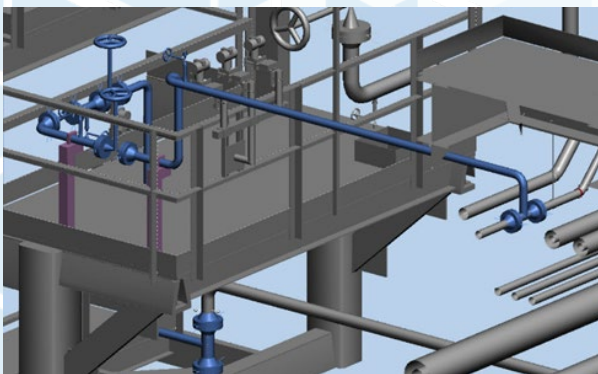


Install Hydrogen Jumpover Line

Saskatchewan

Refining & Petrochemicals

\$500k TIC



SCOPE OF WORK

Special emphasis was placed on ensuring that the new jump-over valves would be quickly accessible from existing platforms in the event of a compressor trip.

At the Client's request, the installation of new flanges was kept to an absolute minimum. This eliminated potential hydrogen leak-points.

DELIVERABLES

Rally revised the plant piping & instrumentation diagrams (P&IDs) and facilitated a process hazard analysis (PHA). This ensured that any new risks of misdirected flow were understood and safely mitigated.

Rally provided detailed engineering services, producing a multi-discipline construction work package (CWP).