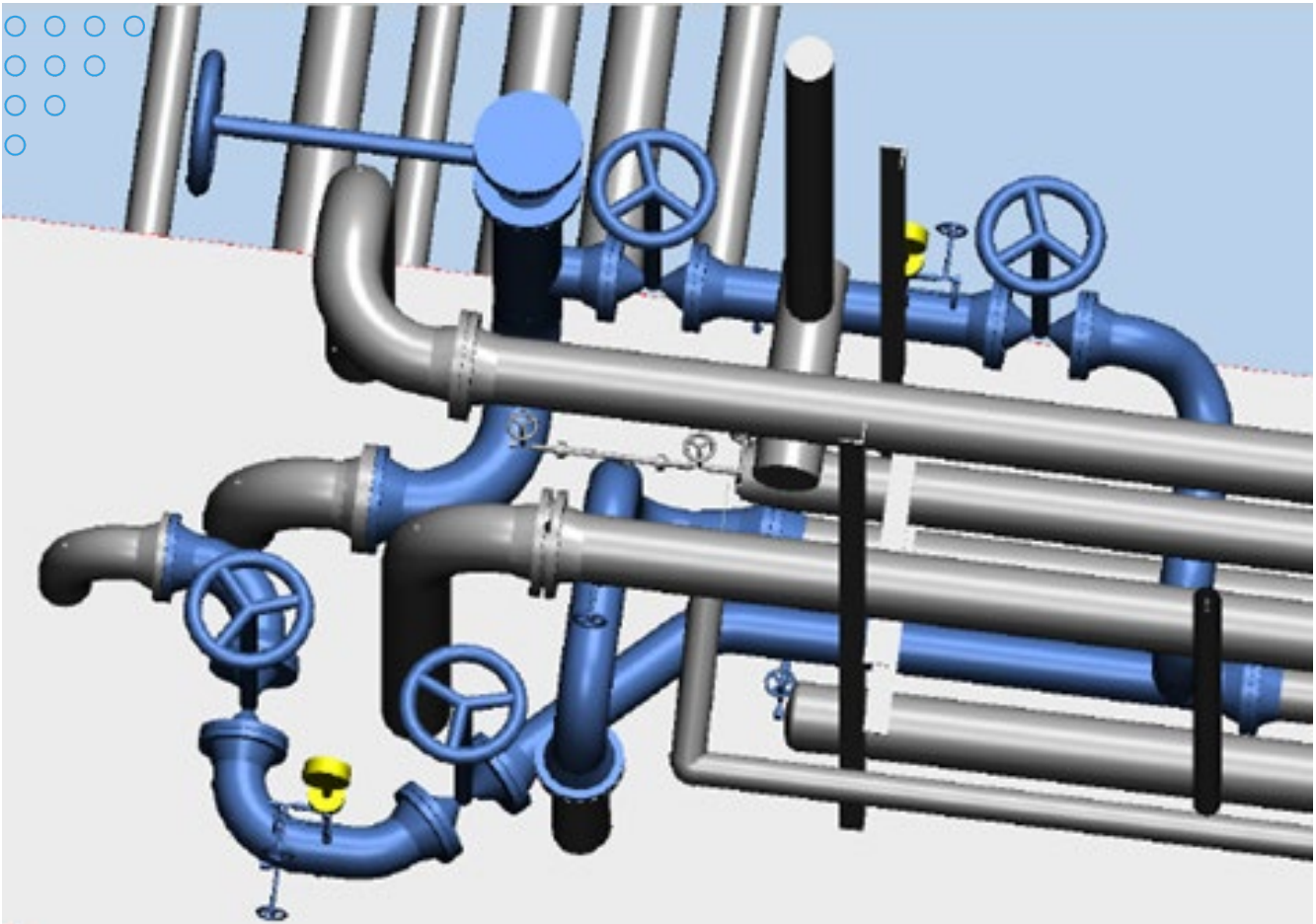
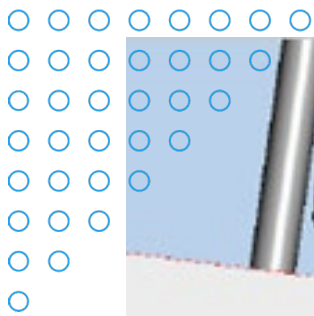


Premium Diesel and Lube Oil Header

The Client needed to reconfigure their existing shipping terminal, driven by a business need to load premium diesel fuel onto railcars. Railcar loading infrastructure was not well configured, and the premium diesel piping to the terminal was undersized. Meanwhile, the Client's ability to offload base oils and additives on adjacent rail spurs was also less than optimal. This led to inefficiencies in the production of lube oil products. Rally was asked to produce a scoping study to identify options for solving these problems.

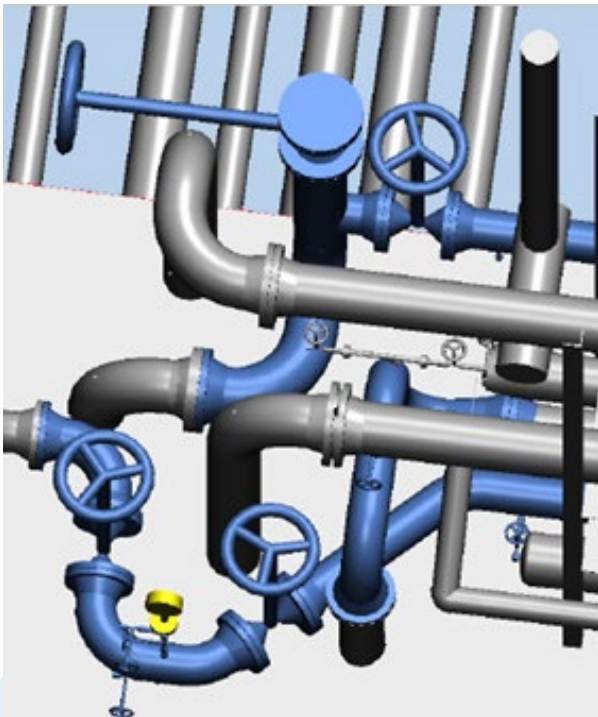


Premium Diesel and Lube Oil Header

Saskatchewan

Refining & Petrochemicals

\$35k TIC



SCOPE OF WORK

After collecting information on the existing piping, pumps, tankage, and loading equipment, Rally performed a hydraulic study. Various scenarios for the simultaneous loading of premium diesel fuel onto trucks and railcars were evaluated, with a goal of increasing overall throughput and loading flexibility. Rally also studied the existing lube oil offloading pumps and tankage to develop ideas on how to offload base oils more efficiently.

DELIVERABLES

The key deliverable for this phase of work was a scoping study report. It identified several potential piping reconfigurations that would make it possible to load premium diesel fuel onto railcars at existing mine diesel spots. It also proposed a new arrangement of lube oil offloading spots on adjacent rail spurs.