

Exchanger Replacement

The Client was planning to replace their exchanger with a new design. The cooling water system needed to be redesigned to accommodate the new system.



Exchanger Replacement

Alberta

Oil Sands & SAGD

\$500k TIC



SCOPE OF WORK

Rally provided detailed engineering design of piping, piping stress, and floor penetration requirements for a new vessel. Rally reviewed the new vessel weight and potential support from the floor in combination with the vessel below.

DELIVERABLES

- Assisted the Client with design to raise the vessel 8 ft. for tie-in accommodations.
- Completed stress analysis on new piping and tie-in locations.
- Completed calculations, provided CWP with a drawing to complete the new floor penetration for the new exchanger vessel.
- Designed spring supports for the cooling water lines.
- Completed 3D model (exchanger and relevant piping) for the purposes of generating isometric drawings.