

# Engineering Specification Rewrites

A prominent Canadian oil & gas company was updating their engineering standards after a corporate merger. Working with the company's subject matter experts, Rally's own SMEs were invited to review, debate, and modernize dozens of specs across several engineering disciplines:

Mechanical: Pressure vessels, rotating equipment, heat exchangers, fire protection, piping systems.

Metallurgical: Welding and NDE practices, post-weld heat treating, use of alloys, hydrogen service.

Instrumentation: Flow, level, pressure & temperature measuring devices, control valves, control systems.

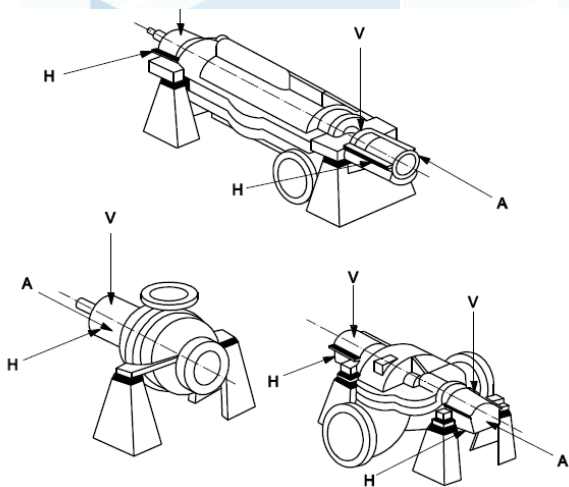
Civil & Structural: Structural steel, concrete, earthworks, buildings, foundations, site preparation.

Process: Relief systems, emergency shutdown valves, heat exchanger selection.



# Engineering Specification Rewrites

Alberta & Saskatchewan  
Refining & Petrochemicals  
\$900k TIC



## SCOPE OF WORK

Rally was tasked with revisiting the Client's engineering specifications under these guidelines:

- Update cross-references to the latest relevant industry specifications (e.g., API, ASME, CSA, CISC).
- Verify compliance with relevant Canadian safety acts, codes and regulations.
- Ensure that the specifications are broad enough to be used across a range of facilities (e.g., refineries, upgraders, chemical plants).
- Edit specs as required for conciseness, structure, readability, and usefulness to end users.

The SMEs held virtual sessions to discuss and optimize proposed changes. Rally's project management group tracked the developments and stewarded several dozen specifications towards completion.

## DELIVERABLES

Over the course of 18 months, Rally successfully reviewed, discussed, updated, authenticated, and issued 81 engineering specifications for the Client's use.