



Design Code & Project Engineer Calgary, Edmonton and Scarborough

Every day, we get opportunities to make a positive impact – on our colleagues, partners, customers and society. Together, we're pioneering the solutions of the future and unlocking the full potential of precious resources. Trusted to act on initiative, we challenge conventional thinking to develop world-leading technologies that inspire progress in vital areas, including energy, food, water and shipping.

As we push forward, the innovative, open spirit that fuels our 140-year-old start-up culture and rapid growth also drives our personal growth. So, as we shape a more resourceful, less wasteful world, we build our careers too.

The Design Code & Project Engineer is responsible for ensuring that Sales Company Canada remains compliant with all CRN jurisdictional requirements, CSA B51, N299.3 as well as other applicable code requirements related to pressure vessels and competently executes/manages assigned project orders.

Duties of this role will include:

- Review design calculation and drawings for all Alfa Laval pressure-retaining products intended to be installed in Canada, ensuring compliance with all relevant ASME codes, local jurisdictional requirements and federal and provincial regulations
- Maintain necessary provincial Professional Engineer's licenses, stamping design documents as required for regulatory compliance
- Provide technical support to the Canadian sales team, and to the global sales team as required, regarding local Canadian requirements for pressurized equipment
- Submit design documents to relevant jurisdictions and follow up with design surveyors to ensure acceptance
- Maintain database of CRN documents.
- Maintain professional business relationships with the personnel in the relevant provincial jurisdictions for CRN registration.
- Take the ownership of assigned engineered project orders on receipt of a technically and commercially acceptable order from Sales. Ensure complete and accurate delivery of engineering documentation, equipment, and final manufacturer's record books, on time, and within agreed budget.
- Negotiate change order requests, in alignment/partnership for the responsible sales engineer for the order.
- Perform final independent inspections for nuclear service jobs.
- Other duties as assigned.

EDUCATION, EXPERIENCE AND CERTIFICATION/REGISTRATION DESIRED

- Education (degree or years) and/or Certification/Registration: Bachelor's Engineering Degree or higher in Mechanical Engineering, or equivalent Engineering degree with sufficient experience/competence in the design of ASME Pressure Vessels.
- Licensed Professional Engineer in Canada. If not already licensed in Ontario, must be eligible for Ontario Licensure. Licensure in Alberta is highly valued.
- Membership or eligibility for membership in ASME would be beneficial.
- Type and Length of Experience: Minimum 5 years of post-education relevant experience.

Knowledge, Skills, Abilities and Attributes Desired in Candidate:

- Self-starter, initiates and manages their schedule
- Effective problem-solver, detail oriented, service-minded and able to work independently.
- Communication skills.
- Ability to build relationships, with customers, colleagues, and in CRN jurisdictions in various roles.
- Ability to be collaborative within the Alfa Laval local and global team
- Experience and knowledge of the ASME Codes, in particular Sections VIII, I, III, V and IX.
- Previous experience with Finite Element Analysis, Compress, MathCAD, and/or the CRN review and registration process are highly valued.
- Knowledge of heat transfer products is a valued asset.
- Excellent / fluent communication ability in English (Oral and Written) is a must. Ability to communicate in French (Oral and Written) is a welcome asset.