

## Cameron Moore, P.Eng

FEA Team Manager

### Qualification highlights:

- Advanced knowledge of 3D modelling using SolidWorks and Spaceclaim
- Proficient in linear and non-linear Finite Element Analysis (FEA) using Ansys, Abaqus and SolidWorks Simulation
- Experience in writing FEA reports to meet CSA B51 Annex J and AB-520 requirements
- Advanced experience with commercial pressure vessel software such as Compress, PVElite and NozzlePro
- 15+ years of experience designing and reviewing pressure equipment

### Relevant Courses:

- ASME VIII-2 Part 5 Design by Analysis
- API 579 Fitness for Service
- ASME PCC-2 Repair of Pressure Equipment and Piping
- Fracture Mechanics
- Pressure Equipment Directive (PED)
- TSSA Welding Training Workshop
- University of Waterloo Leadership Certificate

### Code Knowledge:

- ASME Section VIII-1, VIII-2, ASME VIII-3, Section I Section IV, ASME B31.1, B31.3, B31.5, CSA Z662

### Work Experience:

January 2008 to Present: **Pressure Vessel Engineering Ltd**

- September 2022 to Present: **FEA Team Manager**
  - Working with customers to define their scope of work and provide quotations
  - Project scheduling
  - Recruiting and onboarding new employees
  - Mentoring employees on FEA and ASME code design
  - Similar to below
- October 2013 to September 2022: **Senior Mechanical Engineer**
  - Similar to below
- January 2008 to October 2013: **Mechanical Engineer**
  - FEA on various pressure equipment including:
    - Fatigue Analysis
    - Linear and nonlinear analysis
    - Seismic analyses.
  - Perform code calculations using commercial pressure vessel software
  - 3D modelling and pressure vessel drafting
  - Assist clients with ASME and CRN compliance

### Education

Graduated in 2007 - Bachelor of Applied Technologies in Mechanical Systems Engineering  
Conestoga College Institute of Technology and Advanced Learning

### Professional Credentials

Licensed Professional Engineer in the province of Ontario, British Columbia, Alberta, Saskatchewan,  
Newfoundland and Labrador