

Matt Hiskett, P.Eng

Engineering Manager

Qualification Highlights:

- Advanced knowledge of 3D modelling using SolidWorks
- Proficient in Finite Element Analysis (FEA) using SolidWorks Simulation
- Proficient 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, Design Calcs and PV Elite
- 10+ years of experience designing and reviewing pressure equipment

Relevant Courses:

- ASME VIII-2 Part 5 Design by Analysis Training Course
- Pressure Equipment Directive (PED) Virtual Class
- TSSA Welding Training Workshop
- Conestoga Leadership Development Series

Code Knowledge:

- ASME VIII-1/2, Sec I, Sec IV, ASME B31.1/3, API-650/620, CSA B51

Work Experience:

June 2011 to Present: **Pressure Vessel Engineering Ltd**

- April 2021 to Present: **Engineering Manager**
 - Working with customers to define their scope of work and provide quotes
 - Project scheduling
 - Recruiting and Onboarding new employees
 - Develop and update internal processes
- April 2017 to April 2021: **Engineering Supervisor**
 - Similar to above
- June 2011 to April 2021: **Mechanical Engineer**
 - Run FEA's on various pressure equipment including:
 - Fatigue Analysis
 - Linear and non linear analysis
 - Seismic analyses.
 - Perform code calculations using commercial pressure vessel software.
 - 3D modelling using SolidWorks

August 2010 to June 2011: **Durose Manufacturing**

- **Manufacturing Engineering**
 - Determine manufacturing and assembly processes for injection bases
 - Create BOM's using GlobalShop MRP
 - Work with manufacturing on document control issues

May 2009 to August 2010: **Fil-Trek Corp**

- **Mechanical Draftsperson**
 - Design of a variety of pressure vessels including:
 - Basket Strainers, Filter Vessels, and Generic Vessels
 - Run ASME code calculations using Design Calcs

November 2007 to July 2008: **Andor Robotic Solutions:**

- **Mechanical Designer**
 - Designed a variety of components for automation cells for the auto parts industry.

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, and New Brunswick