

Matthew Hiskett, P.Eng.**Senior Mechanical Engineer****Qualification Highlights**

- Mechanical design using SolidWorks and AutoCAD
- Leading edge design skills using Finite Element Analysis (FEA) with SolidWorks Simulation
- FEA report writing in compliance with Alberta's standard, AB-520 and CSA B51 Annex J
- Advanced Understanding of commercial vessel software: Compress, PV Elite, CodeCalc, DesignCalcs and Nozzle Pro
- Design pressure vessels and pressure retaining devices
- Managing multiple projects simultaneously from quotation to fabrication

Code Knowledge:

- ASME Section VIII-1, VIII-2, I, IV, B31.1/B31.3, API-650/620 various other ASME standards

Specializing in:

- Pressure Vessels, Finite Element Analysis, Heat Exchangers, Piping and Fittings

Experience**2011 June – Present****Pressure Vessel Engineering – Mechanical Engineer**

- Review and markup drawings for ASME compliance
- Design and analysis of pressure equipment using FEA and analytical methods
- Fatigue assessment of pressure equipment per ASME VIII-2
- Solid models and drawings
- Consulting with customers regarding Canadian registration numbers (CRN)
- Peer review of engineering work prepared within the office

2010 August - May 2011**Durose Mfg. - Manufacturing Engineering**

- Detailed customer designed large scale weldments
- Imported information into the company ERP software

2009 May- 2010 August**Fil-Trek Corp. - Mechanical Draftsperson**

- Designed/Detailed various style of pressure vessels
- Ran ASME VIII-1 calculations for various pressure vessel designs
- Created/Designed marketing documents for Fil-Treks product lines

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 (PEO)

Licensed Professional Engineer in the province of Alberta (APEGA)

Licensed Professional Engineer in the province of Saskatchewan (APEGS)