

Robert Dowling

Calgary, Alberta

PROFILE

Solutions oriented mechanical designer with extensive experience in bulk material handling. Using digital tools to develop initial concepts through to final products, all while collaborating with a multi-disciplinary team throughout the entire process. I welcome opportunities to expand my knowledge and explore new concepts to elevate not only myself but the team I support.

SKILLS

- Autodesk Inventor
- Solidworks
- Photoshop
- Autocad Mechanical
- Bulk Flow Analyst
- MS Office

EXPERIENCE

OWNER, DOWTEK DESIGN SERVICES

CALGARY, ALBERTA 2013-PRESENT

- Layout & design various overland and underground bulk material handling systems
- Create 3D models for conceptual and detail purposes
- Produce design and detailed drawings including shop drawings with DXF's
- Managing multiple clients and deliver on all projects within given time constraints

MECHANICAL DESIGNER, ZJ SOLUTIONS

CALGARY, ALBERTA 2008-2013

- Layout & design various overland and underground conveyor systems
- Develop & prototype underground machinery for the potash industry
- Transfer point design and optimization utilizing DEM tools
- Create 3D models for conceptual and detail purposes
- Produce design and detailed drawings
- Experience commissioning equipment

QUALITY CONTROL INSPECTOR, MOSS FABRICATION

CALGARY, ALBERTA 2007-2008

- Inspect various oil/gas vessels and equipment packages
- Maintain documentation for quality control department for turnover packages
- Coordinate third party inspections and nondestructive examination

QUALITY CONTROL INSPECTOR, LEDCOR

NISKU, ALBERTA 2005-2007

- Perform random and final audits of turnover packages before turning over to client
- Witness hydro testing and perform dimensional checks on piping racks
- Maintain documentation for quality control department for turnover packages
- Coordinate third party inspections and non-destructive examination

EDUCATION

Tunra Bulk Solids, Calgary, Alberta — Bulk Solids Handling, 2010

Overland Conveyor, Denver, Colorado — Applied DEM workshop, 2010

SAIT Polytechnic, Calgary, Alberta — Mechanical Design Technology (MDT), 2008

SAIT Polytechnic, Calgary, Alberta — Welding Engineering Technology (WET), 2004