

# COLLEGE GRADUATE, P.E.T

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## POWER ENGINEERING TECHNOLOGY GRADUATE

Professional, competent, knowledgeable, safety oriented **Power Engineering Technology Graduate** with four years dedicated oilfield experience operating and servicing mechanical, pneumatic, hydraulic and instrumentation equipment/systems (including pumps, motors, compressors and lines); education and experience in:

Installation, Setup & Calibration  
Startup, Turnaround & Shutdown Operations  
Preventative & Predictive Maintenance  
Scheduled & Emergency Repairs  
Production & Equipment Optimization

Stationary, Reciprocating & Rotating Equipment  
PLC Controllers, VFDs & Flow Transmitters  
Panel & Pneumatic Valve Control Systems  
Equipment Diagrams, Schematics & Drawings  
HSE & QA/QC Compliance

Received six **Awards of Excellence** from Schlumberger for pro-active approach, innovation, operational excellence and safety compliance.

**Team Leader - Lab Operations** (SAIT): provided guidance and support to 13 academic associates; overseeing 12 optimization and equipment operation labs.

### Professional Affiliations, Tickets & Licence

- ❖ **Member - ABSA** (Alberta Boiler Safety Association)
- ❖ **4<sup>th</sup> Class Power Engineer Ticket**
- ❖ **Class 1 Licence with Q Endorsement**

## EDUCATION

**SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY**, Calgary, Alberta  
**Power Engineering Technology Diploma (3.86/4.0)**

### **PLANT OPERATIONS & INSTRUMENTATION**

- Operated and acquired instrumentation readings from *steam turbines, generators* (synchronous & asynchronous), *condensers, feed water heaters* (low & high pressure), *boilers* (water, fired), *pumps* (chemical, feed & water cooling), *gensets* (natural gas & diesel), *compressors* and *de-aerators*
- Started up, ran and shut down Rockwell HMI DCS to initiate steam headers, turbines and boilers; modified and calibrated Fisher Controllers, VFDs, PLCs and Flow Transmitters
- Identified equipment power sources back to **MCC** (Motor Control Centre) and ensured **LOTO** (Lock Out Tag Out) procedures were in place prior to starting work
- Designed and analysed Flow Diagrams, P&IDs, Engineering Schematics and As Built drawings
- Brought generators online, synchronized with grid and ramped up to 128KW; ensured proper safety guards were in place on rotating and reciprocating machinery
- Pulled and submitted samples for testing (de-aerator, cooling water, boiler); based on results, calculated and adjusted for efficiency and capacity

### **POWER ENGINEERING & STEAM CERTIFICATIONS**

- ☉ ABSA 4<sup>th</sup> Class Power Engineer Certification
- ☉ ABSA 3<sup>rd</sup> Class Power Engineer - completed A1, A2, B1 & B2 Exams

### **PLANT & OPERATIONS COURSES**

- ※ Gas Plant, SAGD & Pulp Mill Operations
- ※ System Design, Tolerances & Construction
- ※ Boiler Measurement & Control Systems
- ※ Electrical Power Generation & Transmission
- ※ Refrigeration & Heating Systems
- ※ Distillation Operations & Maintenance
- ※ Process & DCS Controls
- ※ Equipment Optimization & Process Streamlining
- ※ Thermodynamics & Fluid Mechanics
- ※ Chemical Water Treatment & Management
- ※ Scheduled, Preventative & Predictive Planning
- ※ Safety & Environment

**NEWMARKET HIGH SCHOOL**, Newmarket, Ontario  
**Ontario Secondary School Diploma (OSSD)**

**NEW LIFE PAINTING**, Calgary, Alberta  
**GM & Project Manager**

Managed \$260K in revenue, up to 8 subcontract staff and 48 major projects annually; interior and exterior painting.

- Consulted with clients on design and project specifications
- Generated and submitted detailed bid packages; estimated material, people and time costs for projects ranging from \$5K to \$20K
- Planned site layout to ensure all work was completed safely and efficiently
- Arranged, deployed and oversaw equipment, materials, fall protection, personnel and scaffolding
- Operated, serviced and maintained pneumatic power sprayers, washers, sanders and vacuums
- Inspected completed workmanship for quality and followed up rapidly on any deficiency items

**SCHLUMBERGER CANADA**, Medicine Hat, Alberta  
**Frac Equipment Operator**

Reporting to Indoor & Outdoor Supervisors, set up, operated, serviced and maintained up to 12 high pressure Frac, N2 Injection, Hydration and Feed Pumps (up to 10,000 KPA)

- Serviced large client projects in the Northwest Territories, Alberta and Saskatchewan; included Haliburton, Suncor, Cenovus, Petro Canada and Imperial Oil
- Ran chemical lab van with pumps and flow monitoring equipment (mixing and monitoring up to four chemicals simultaneously); checked/maintained *viscosity, flow, concentration and pump volume* rates
- Disassembled, serviced, reassembled and repaired *stationary, reciprocating, rotating, hydraulic, pneumatic and mechanical* components; compressors, pumps, valve controls and piping (up to 4")
- Performed scheduled, preventative, predictive and emergency maintenance (shop and field sites)
- Operated and monitored computerized PLC panels
- Assisted, facilitated, participated and provided feedback at monthly safety meetings and daily tailgate meetings
- Carried out daily pre-startup, job site, safety hazard and equipment turn-over inspections

**NEW LIFE PAINTING**, Calgary, Alberta  
**GM & Project Manager**

- Managed \$260K in revenue, up to 8 subcontract staff and 48 major projects annually

**Previous Business & Leadership Experience**

- Supervisor, Dealer, Slot Attendant - Windsor Casino
- Casino Manager - BJ Casino

## SAFETY TRAINING & CERTIFICATIONS

**CONNECTIONS CAREER & SAFETY SERVICES LTD.**

- 📌 Forklift Training Ticket

**ENFORM**

- 📌 Fall Protection Ticket
- 📌 General Oilfield Driver Improvement (**GODI**) Ticket
- 📌 Ground Disturbance Ticket
- 📌 H2S Alive Ticket
- 📌 Petroleum Safety Training (**PST**) Ticket

**ST. JOHN AMBULANCE**

- 📌 Standard First Aid & CPR/AED - Level A

**SCHLUMBERGER CANADA**

- 📌 WHMIS and TDG Tickets