

TONY MANZO P.ENG.

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OBJECTIVE

Experienced Quality Assurance Manager with over two decades of expertise in developing and managing QA systems, ensuring compliance with ISO 9001, ASME, and API standards. Skilled in implementing continuous improvement initiatives, leading cross-functional teams, and driving product quality in highly regulated industries, including aerospace and nuclear markets.

EXPERIENCE

Frontier Valve International Ltd.

QA Manager / Engineering Manager

June 1994 – Present

- **Quality System Management:** Maintaining the ISO 9001 registration and the ABSA Quality Program Registration to CSA B51. This includes assisting in preparing and maintaining the quality system, conducting internal audits, preparing audit checklists, initiating and following up on corrective actions, and generally assisting management with quality system administration.
- **Document Control:** Issuing, maintaining, and approving engineering operating and production procedures. Coordinating document control activities, maintaining the library, and maintaining the part numbering system and serial number records. Preparing, approving, and maintaining material certification reports and affidavits of compliance.
- **Design Control:** Approval of design plans, drawings (including revisions), and engineering change requests (ECRs). Initiating design reviews, final verification/validation of designs, and conducting Solidworks FEA analysis and engineering calculations. Submitting design plans for approval to ABSA. Overseeing designs for new markets (e.g., NASA, Nuclear). Product testing to UL standards.
- **Vendor Management:** Approval of Class II vendors, monitoring and assessing vendor performance, selecting qualified vendors, carrying out quality surveys and audits, and preparing purchasing documents.
- **Nonconforming Product Control:** Disposition of nonconforming product.
- **Training:** Conducting training or assigning qualified personnel to train engineering and production personnel.
- **Customer Liaison:** Maintaining customer liaison and service, handling customer complaints, and keeping customers updated on delivery schedules and testing. Reviewing customer requirements to codes and standards. Estimating valve costs and providing quotations.
- **Manufacturing Process Control:** Approval of special processes (welding, heat treating, NDT, nitriding).

EDUCATION

University of Alberta

2001-2006

Faculty of Engineering

Completed coursework to obtain P. Eng. Completed on a part-time basis while working at Frontier full-time.

NAIT

1992-1994

Honours diploma in Mechanical Engineering Technology

KEY SKILLS

Software: Solidworks 3D CAD & FEA, MS Office Suite, LibreOffice, Windows OS, Linux Ubuntu, Visual Studio Code, Python, C++, HTML, CSS

Standards: ASME Section IX, ASME Section VIII Division 1, ASME Section VIII Division 2, ASME B31.3, API Standards, ISO 9001

Methods: Machining, Forging, Casting, Welding, Laser Cutting, Water Jet Cutting, 3D Printing