

ROY O. CHRISTENSEN, RET

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PROFESSIONAL PROFILE

Senior integrity specialist with multi-disciplined experience coordinating, developing and leading inspection and integrity management programs for the manufacturing, construction, and in-service use of structural and pressure equipment. Visionary team player who combines creative energy with attention to detail, to produce client-focused proposals, programs, plans, and reports, for superior business results and increased customer satisfaction. Areas of expertise include:

- Consistently able to excel in complex and demanding multi-disciplined environments by focusing on effective teamwork and positive leadership with clear communications and reporting
- Exceptional communication, organizational, planning, and relationship building skills with a proven record of delivering objectives for projects of all sizes
- Effectively establishes and leads technical teams, and collaborates with external and internal partners, to accomplish business goals
- Broad based experience coordinating inspection at suppliers across Canada and the USA, as well as in Europe and Asia
- Actively develops ideas for corporate and project cost savings and continuous improvement

EDUCATION & PROFESSIONAL DEVELOPMENT

- SAIT Welding Engineering Technology (WET) Honours Diploma with NOVA Scholarship, 1990
- ASET Registered Engineering Technologist (RET) (Metallurgy/Welding) #11946
- CWB Welding Inspector Level 3 (BPVC VIII Div 1/IX, B31.3, W47.1/W59, Z662) #2108
- ABSA In-Service Pressure Vessel & Pressure Piping Inspector#A64764
- API 510 Pressure Vessel Inspector #29721
- CNSC Qualified Operator, Industrial Radiography #9463 (expired)
- ABSA B Pressure Welder #W-9770 (ASME; also DIN & DS)
- API 510 Examination Preparation Course
- Bantrel Leadership Skills, Continuous Improvement, and Quality Surveillance Courses
- TransCanada PipeLines Construction Inspection Course
- Other training, seminars and workshops include:
 - MS SharePoint for Power Users
 - Pipeline Integrity Management
 - ASME IX Welding Standards
 - Psychology of Success
 - Emotional Intelligence
 - APEGGA Sales Skills
 - Dealing with People
 - MS XL Advanced
 - Technical Writing
 - Fall Protection
 - ASM/CWS Welding & Materials Conference
 - ACAD Creative Practice for Art and Design
 - Team-Building, Mentoring, & Coaching
 - NACE Pipeline Integrity Conferences
 - Construction Safety Training System
 - Competent Toastmaster (CTM)
 - ABSA PESR/PESL Seminars
 - Best Management Practises
 - Mentally Active Driving
 - IPEIA Conferences

PROFESSIONAL EXPERIENCE**STANTEC** Calgary, AB**2018 – Date****SQS Coordinator**

- Coordinated inspection activities for Cenovus, Pembina, and Suncor projects
- Provided engineering support for MRs on Chevron projects, MRs and criticality review on Suncor projects, and WPSs on Pembina projects
- Coordinated inspection for the Trans Northern Pipelines APPL pipeline replacement project with all inspections completed as planned and underbudget, provided construction and engineering support, and coordinated NCRs

KNOWLEDGE TRANSFER (KT) PROJECT Calgary, AB**2018 – Date****Project Success Coach**

- Founded KT project to help capital projects in the energy and other industries implement best practices for knowledge transfer and project communication
- Authored six guidelines for project success including ITPs, NCRs, and SQS, and a glossary of common industry and project terminology comprising over 202,000 words and 565 pages

STUART OLSON'S INDUSTRIAL GROUP (TARTAN INDUSTRIAL SERVICES) Calgary, AB **2017 – 2017****Technical Writer**

- Provided writing services to efficiently consolidate three quality management system manuals into one, for the construction, alteration, and repair of pressure piping and equipment in Western Canada, and prepared requisite new forms and over 20 new procedures.

AMEC FOSTER WHEELER THREE STREAMS ENGINEERING DIVISION Calgary, AB**2012 – 2016****Supplier Quality Surveillance Coordinator**

- Coordinated inspection for IORVL/ExxonMobil Kearn Oil Sands and Suncor projects

Team Lead, Supplier Quality Surveillance

- Led SQS team to coordinate inspection of the Cenovus Foster Creek Phase G & H projects
- Coordinated inspection for the Cenovus Christina Lake projects and other clients' O&G projects
- Authored several SQS procedures and shop fabricated pipe bend specification

AMEC OIL SANDS Calgary, AB**2009 – 2012****Factory Acceptance Testing (FAT) Coordinator**

- Coordinated FAT to meet cost, quality, and safety objectives for the IORVL/ExxonMobil Kearn Oil Sands projects, and:
 - Authored FAT forms, instructions, and plans, and supplier qualification and punch list procedures
 - Supported engineering for completions-engineering interface, criticality reviews, and punch listing

ACUREN GROUP INC. Calgary, AB**2006 – 2009****Team Leader, Visual Inspection**

- Provided positive supervision of visual inspection department for CWB W178.1 inspection company, including integrity management & contract chief inspector services
- Developed cost-effective IMS/Quality manuals and WPSs for ABSA registration and projects
- Developed detailed templates for ITPs, MARs, visual, final and integrity reports, and various proposals with attachments and an RFP tracking log
- Prepared assignments, proposals, and procedures for \$5M inspection services contract to the 58-storey Bow tower project
- Prepared numerous detailed proposals for inspection and NDE services from <\$5K to >\$7M
- Coordinated complex inter-discipline, inter-office, and sub-contracted assignments
- Performed administrative duties including report and invoice peer review

ALBERTA UNIVERSITY OF THE ARTS (ALBERTA COLLEGE OF ART + DESIGN) Calgary, AB **2003 – 2009****Instructor**

- Developed course syllabus for successful extended studies sculpture class
- Instructed *Metalworking for Artists* three classes/year for hobby and professional artists

PROFESSIONAL EXPERIENCE, Continued**BANTREL CO.** Calgary, AB**1998 – 2006****Project Supplier Quality Supervisor**

- Provided effective technical services to engineering, procurement and surveillance personnel
- Prepared efficient project QS job instructions, MR QS plans, and lessons learned reports
- Administered QS assignments and budgets efficiently, supervised up to 40 inspectors
- Squad checked MRs and Supplier QC documentation for completeness & correctness
- Improved Suncor project MRBs 476% (from 17% acceptability on Millennium to 81% on MCU)
- Prepared technical deviations for Suncor projects on tagging, PMI & QC documentation
- Initiated revision to Suncor positive material identification (PMI) specification
- Edited Bechtel supplier quality manual (SQM) for issue as Bantrel document
- Prepared template for project SQ Logs in XL with bar charts & summaries
- Supervised QS for the following projects in lead and team positions
 - Suncor Millennium Coker/Vacuum Units - \$2B/\$425 M, refinery expansion
 - Suncor Millennium/5C99 Fractionator Replacement - \$2B/\$725M, refinery expansion
 - Suncor Firebag - \$450M, Steam Assisted Gravity Drainage (SAGD)
 - Suncor Steepbank Mine - \$320M, ore hydro transport system
 - Imperial Oil Sarnia Cogeneration - \$100M, 85 Mw co-generation plant
 - ANG Residue Gas Compression - \$100M, WHRU & two RB211 compressors

TC ENERGY (TRANSCANADA PIPELINES) Regina, SK**1996 – 1997****Inspector**

- Inspected welding, coating, & civil construction activities for three pipeline Projects - \$100M each for 75 km of 48" mainline and two 30 Mw compressor plants

GECO STEEL & BIMAC INDUSTRIES Calgary, AB**1994 – 1996****QC Manager**

- Managed QC for fabrication of gas & oilfield structural & pressure equipment

CALIPER INSPECTION Calgary, AB**1991 – 1994****Inspector**

- Conducted source surveillance for construction and fabrication of power, gas & oilfield structural & pressure equipment

LES INSPECTIONS ATLAS QUEBEC Montreal, QC**1990 – 1991****NDE Technician**

- Performed MT, PT, RT, UT, VT, and hardness testing for fabrication of structural & pressure equipment and refinery maintenance

ENERFLEX SYSTEMS Calgary, AB & **B&W ENERGI** Tønder, Danmark**1985 – 1988****Certified Welder**

- Fabricated industrial power boiler components as pressure welder with GTAW, SMAW, & SAW
- Fabricated compressor package components as journeyman welder with SMAW, GMAW, & FCAW

TECHNICAL VOLUNTEER EXPERIENCE

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| • Canadian Institute for NDE (CINDE), director | 2011 - 2018 |
| • International Pressure Equipment Integrity Association (IPIEA), conference committee | 2002 – 2004 |
| • Pressure Industry Quality Assurance Society of Alberta (PIQASA), executive | 1995 – 2002 |
| • SAIT Welding Engineering Technology (WET), advisory committee | 2001 – 2006 |
| • Toastmasters International Club #4320, executive | 1999 – 2002 |

PUBLICATIONS

Published over 70 documents including plans, procedures, instructions, manuals, and reports that continue to drive success for many projects, as well as numerous technical articles. See a partial list on my LinkedIn profile and at <https://ktproject.ca/articles/>.