

ABIN JOHNSON

EIT / QUALITY ENGINEER - Field Engineering, QA/QC, Construction Project Coordination

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📍 [Alberta, T6H5G9](#)

SKILLS

- **Field Engineering:** Drawing interpretation, specifications review, field layout, surveying, as-built data compilation.
- **Quantity Takeoffs:** Material calculations, measurement analysis, cost inputs, progress tracking for construction work.
- **QA/QC Systems:** Inspection processes, documentation control, compliance tracking, quality assurance in sites.
- **CAD Software:** AutoCAD, SolidWorks, CATIA V5, Enovia for 2D/3D modeling, design drafting and reporting.
- **Engineering Analysis:** MATLAB, thermodynamics, heat transfer, mechanics for simulation and technical validation.
- **Project Controls:** Cost tracking, RFIs, change orders, subcontract coordination, cost and budgeting systems.

WORK EXPERIENCE

Quality Control I

January 2026 - Present

Xerxes

Alberta

- Executed 20+ raw material and finished product inspections weekly, ensuring QA/QC compliance with IFS standards and specifications using structured testing methods.
- Calibrated 15+ inspection tools and standardized procedures, ensuring measurement accuracy and supporting field quality control, documentation, and compliance tracking.
- Led NCR documentation, RCA analysis, and corrective actions, reducing defect recurrence by 20% while aligning reporting with QA/QC systems and continuous improvement.

Quality Control Inspector

July 2023 - December 2023

ASCO Aerospace Company

British Columbia

- Performed 25 dimensional inspections using CMM, calipers, and micrometers, validating tolerances and ensuring compliance with engineering drawings and specifications.
- Generated 10 inspection reports weekly using SPC tools, maintaining QA/QC documentation, traceability, and compliance with aerospace quality and safety standards.
- Implemented RCA and corrective actions on recurring defects, reducing non-conformities by 25% while supporting continuous improvement and process standardization.

Quality Inspector

November 2022 - May 2023

Taiga Motors

Quebec

- Conducted 20 component inspections daily using calipers and optical tools, ensuring safety compliance aligned with engineering specifications and QA/QC standards.
- Identified non-conformities and initiated RCA-driven corrective actions, minimizing defect rates by 15% and improving production quality and process consistency.
- Prepared detailed inspection reports and tracked KPIs using QMS tools, improving 98% documentation accuracy and supporting data-driven quality and cost control.

Team Lead, Shell Department

November 2020 - September 2022

(Manufacturing Operations)

Quebec

- Directed a team of 10+ operators in assembly operations, increasing productivity by 20% through workflow optimization, quality monitoring, and process standardization.
- Optimized production schedules and coordinated materials, reducing downtime by 25% while aligning operations with project timelines and cost efficiency targets.
- Implemented RCA and FMEA-driven troubleshooting, reducing operational defects by 15% and improving process reliability and quality compliance across assembly lines.

Quality Technician

January 2020 - July 2020

Halifax Transit Municipality

Nova Scotia

- Performed 20+ vehicle inspections daily, ensuring compliance with safety regulations and engineering standards using diagnostic tools and QA/QC procedures.
- Monitored fluid systems and reported defects, reducing maintenance delays by 20% through timely interventions and preventive maintenance coordination.
- Maintained fleet inspection records and fuel logs using MyGeotab, improving tracking accuracy by 15% and supporting data-driven maintenance and cost reporting.

EDUCATION

Advanced Diploma in Petroleum Engineering

September 2017 - May 2019

Cape Breton University, Canada

Bachelor of Technology in Mechanical Engineering

June 2012 - August 2016

University of Kerala, India