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QA/QC Mechanical

Profile and objective

Certified Welding and NDT Inspector with over 15 years of experience in the oil and gas industry. Skilled in QA/QC procedures including PQR, WOT, NDT, and mechanical testing. Expertise in welding inspection on carbon steel, stainless steel, and alloy steel across workshop and field joints, pipelines, tanks, tie-ins, coatings, and both above-ground and underground installations. Experienced in pressure testing and piping installation in full compliance with industry standards and project specifications. Known for ensuring quality, safety, and on-time project delivery.

The goal is to establish a progression path for CWB Welding Inspector Level 2 based on the role and responsibilities of Level 1 inspectors within the company.

Education

High School MOUFDI ZAKARIA • Ghardaia • Algeria	09/1991 – 06/1994
Applied Sciences	
USTHB - University of Science and Technology Houari Boumediene • Algiers • Algeria	10/1994 – 06/1995
EXACT SCIENCES	
ENGTP ARZEW WELDING AND EXPERTISE CENTER • ARZEW • Algeria	10/2002 – 01/2003
WELDING INSPECTION	
CWB GROUP • Laval • Canada	11/2022 – 02/2023
Welding Inspection	

Certificates and Recommendations

CSA W178.2 CWB Level 1 • ASME B31.3	02/2023
https://www.cwbgroup.org/certification-and-qualification/certified-directory-search/inspectors	
SNT-TC-1A RT2 • NAYA COMPANY TRAINING CENTER	06/2023
SNT-TC-1A MT 2 • NAYA COMPANY TRAINING CENTER	06/2019
SNT-TC-1A RT2 • Quality control co	11/2016
SNT-TC-1A RT2 • Weldtest	12/2013
SNT-TC-1A RT2 • Weldtest	12/2010
SNT-TC-1A RT2 • Weldtest	12/2007
SNT-TC-1A RT2 • Weldtest	09/2004
SNT-TC-1A PT2 • Quality Control co	11/2016
SNT-TC-1A PT2 • Weldtest	09/2004
SNT-TC-1A UT2 • Quality Control co	11/2016
• -10/04/2011: Recommendation letter from UTE ABENER (FEDIRECO SANDOVAL) construction manager. • -31/08/2019: Recommendation letter from GS E & C DAELIM (Y.M.SHIN) Site manager.	

Work Experience

WD E&C COMPANY – BNIGHAZI- LIBYA **25/08 /2025 - Present**

QA/QC Engineer

- Preparation of ITP: Develop and implement ITP in line with project specifications, codes, and standards.
- Site Inspections: Conduct inspections and surveillance activities to verify compliance during construction and installation works.
- Nonconformity Control: Identify, verify, and document any nonconformities, initiate corrective actions, and follow up until resolution.
- Document Review: Review drawings, specifications, procedures, and other technical documents to ensure conformity with project requirements.
- Reporting: Prepare inspection reports, maintain quality records, and provide regular updates to the Site Manager.

SARPI – RNS Algeria

08 /2025 - 09/2025

Design Engineer.

- QA/QC Leader: with SARPI as SONATRACH staff – (41) Pipeline gathering gas to CPF (Flow line – Trunk line).
- Team leader of QC staff managing a group of 5 persons
- Reviewing the ITP and participate in the quality system.
- Contribute to upgrading the quality system.
- Monitoring quality system and ensure adherence to ITP.
- Preparation of the final folders of each completed pipeline.

QA/QC Responsible

- QA/QC Manager – Power Plant Project (Silex Services, KAIS Combined Cycle – GE, CEEG, Sonelgaz)
- Oversaw all quality-related operations to ensure product reliability and compliance.
 - Developed inspection and reporting procedures to address ongoing quality issues.
 - Supervised QA/QC team, including inspectors and technicians.
 - Ensured customer requirements were met and satisfaction maintained.
 - Reported malfunctions promptly to enable swift corrective actions.
 - Analyzed quality data to implement proactive improvements.
 - Maintained detailed quality documentation and statistical records.
 - Coordinated with external QA auditors during inspections.

GS E&C DAELIM • Khencela Rp • Algérie

02/2019 – 02/2023

WELDING Inspector

QA/QC Engineer Level 2 – Piping, Welding & Mechanical Inspector

Project: GS E&C Daelim – Power Plant (Combined Cycle KAIS with GE–CEEG–Sonelgaz)

- Oversee quality assurance and control for piping, welding, and mechanical systems in large-scale power plant projects.
- Conduct inspections using advanced NDT methods (ultrasonic testing, X-ray) to identify and resolve welding defects.
- Ensure compliance with industry standards (ASME IX, V, B31.3, XIII; API 1104; DNV-OS-F101) and project specifications.
- Collaborate with engineering and production teams to enhance welding procedures and reduce error rates.
- Develop and implement QA/QC procedures, write welding specifications, and evaluate welder qualifications.
- Prepare detailed inspection reports, maintain quality records, and utilize tools like MS Word, Excel, and Access.
- Train staff on inspection techniques and monitor product quality across all production stages.
- Investigate customer complaints and enforce corrective actions.
- Provide ongoing technical support and feedback to ensure continuous quality improvement.

ENTREPOSE ALGERIE - GROUP VINCI • HASSI MESSAOUD • Algeria

07/2016 – 02/2019

WELDING SUPERVISOR

QA/QC Level 2 NDT Inspector – Welding & Fabrication

Projects:

- ENTREPOSE ALGERIA (VINCI) – Boosting LDBP4 & Gas Lift, Hassi Messaoud (JGC–Sonatrach)
- Water Injection Pipeline Project ROOM-BRN (AGIP–Sonatrach)
- South Satellite Revamping Project (JGC–Sonatrach)

Key Responsibilities & Skills:

- Performed advanced welding using multiple techniques: GTAW, GMAW, FCAW, and SMAW.
- Conducted NDT inspections to ensure welds met project and industry specifications.
- Fabricated parts from blueprints and interpreted work orders for precise execution.
- Repaired defective welds using air arc and grinders; maintained high-quality standards.
- Welded in multiple positions and environments, ensuring versatility and quality.
- Trained and supervised junior welders in best practices and quality compliance.
- Collaborated with engineers and designers on part development and assembly.
- Oversaw daily production, inventory management, and key performance metrics.
- Reviewed documentation for accuracy and ensured proper project coordination.
- Fostered strong professional relationships and ensured efficient inter-departmental workflows.

WELDTEST • Algiers • Algeria

10/2004 – 02/2016

NDT Inspector

- **Feb 2014- Jan 2016:** NDT inspector QA/QC level 2 Power plant 590MW HASSI R'MEL (ENTREPOSE-METKA- GE)
- **Jan 2013- Jan 2014:** QA/QC Level 2 NDT Inspector with hands-on experience in gathering and gas treatment plants across major Algerian sites (In Salah – REG & Hassi Moumene, In Amenas – Zerzaitine), collaborating with key industry players including SONATRACH, PETROFAC, ISG, SINOPEC, and BONATTI.
- **Dec2011 – Nov2012:** Quality control inspector QA / QC level 2 Gathering and gas Treatment plan in GASSI TOUIL (BONATTI–JGC–SONATRACH)
- **Sep 2009 – Oct 2011:** Quality control inspector QA/QC level 2 Power plant of exchange crosses150MW Including tow Boilers, gas turbine, steam turbine and tow champs solar (UTE ABENER) HASSI R' MEL.
- **Jul 2007-Aug 2009:-** Quality control inspector QA /QC level 2 Gathering and gas treatment plan.
- Quality control inspector QA /QC level 2 shutdown 15 days in 2007 (GROUPEMENT TFT: SONATRACH, TOTAL, REPSOL)
- **May2006-June 2007:** inspector level 2 Power plant of BERROUAGHIA (SAIPEM, SIMENS, SDEM, SECOMOC France)
- Inspector level 2 electric central plan of MECHERIA (ETTERKIB, SONELGAZ)
- **Mar 2005-Apr 2006:-** inspector level 2 Helium recovery young plant (ETTERKIB, LINDY) SKIKDA
- Inspector level 2 Power plant with cycle combined by SKIKDA (SNC LAVALIN, ETTERKIB, LEAD, BENTINI)
- NDT inspector - station of recuperate associated gas. Sit of HASSI R' MEL (NOUVOPGNONE)

Oct 2004-Jan 2005: - NDT Inspector – Multiple Projects**Projects:**

- LT Flare Project, HBNS Hassi Berkine (Anadarko)
- NAFTAL Centre Enfûteur, Arzew (Antrabelge)
- Thermal Power Plant, Mersa El Hadjadj (ETTERKIB, Ansaldo–Sonelgaz)

Key Responsibilities & Skills:

- Performed NDT inspections using radiographic, ultrasonic, thermal, and infrared techniques to detect flaws without damaging materials.
- Analyzed inspection data and interpreted schematics, manuals, and specifications to determine appropriate testing procedures.
- Identified imperfections in metals, concrete, and construction materials with advanced NDT methods.
- Ensured compliance with quality and safety standards across various industrial sites.

ENGTP • HASSI E'R'MEL • Algeria

WELDING Inspector

05/2003 – 12/2003

- Welding & NDT Inspector – EN GTP, In Salah Gas Project (Hassi R'Mel & In Salah)
- Conducted inspections in fabrication shop and field for various welding processes: SAW, GMAW, FCAW, GTAW, SMAW.
 - Ensured quality compliance across all stages of production and welding.
 - Provided technical support and quality feedback to the production team.
 - Followed and developed inspection/testing protocols and standard procedures.
 - Identified defects, repaired faults, and conducted re-testing to meet quality standards.
 - Maintained and updated QC records and inspection reports.
 - Collaborated with engineering partners to validate designs and project requirements.

Skills

QA/QC WELDING; PIPING; PIPELINE & MECHANICAL

- | | |
|---|---|
| <ul style="list-style-type: none"> • Welding process knowledge • Quality inspection expertise • Code and standards comprehension • Non-destructive testing proficiency • Pipeline inspections • Report writing • Multitasking Abilities • Engineering drawing & standards | <ul style="list-style-type: none"> • Welding maps preparation • Product tests • Reporting and analysis • Communication skills • Dependable and Responsible • Fast learning • Knowledgeable of construction safety • Good judgment |
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Software

Microsoft WinWord	Professional
Microsoft Excel XP	Professional
Microsoft Acces (Data base)	Professional

Language

Arabic	Full
English	Professional
French	Full

Performance

- Experienced Mechanical and Welding Inspector with specialized expertise in GE MLI gas turbines, welding procedures qualification, and NDT/NDE inspections. Skilled in:
- Welding inspection and documentation (PQR, WPS, test packs, reports)
- Radiographic film reading and dye penetrant interpretation
- Coating inspections (sandblasting, painting, holiday tests)
- Hydrostatic testing of pipelines, piping, and equipment
- Mechanical inspection of static and rotating equipment
- Steel structure assessment (bolt tightening, verticality)
- Blueprint reading and thickness checks using UT
- Proficient in international codes (ASME, API 1104, DNV-OS-F101)
- Strong use of precision tools (micrometer, vernier, dial gauge)
- Quality monitoring via WMS/DMS systems
- Team collaboration, troubleshooting, and time management.