

101982-MEC-14CQVWXZ-E-2002

Senior Welding Construction Engineer II

Holds a B. Sc. in Mechanical Engineering and has over 19 years of accumulated experience in inspection Distributed over: NDT, Welding, Tanks, Piping, Pressure Vessel, Rubber Lining, Painting, HVAC, Firefighting, Underground Piping, and moderate experience about Construction Safety, production follow up and pumps alignment, working with, PGESCO, PSEW, SIGMA, PETROJET, SGS, ICF, IEEE, DSD and DEVCO.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Arab Academy for Science and Technology and Maritime Transportation, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Jotun Painting course with attendance certificate (3 days in 2014).
- : Attending refreshing lecture for RT films interpretation and renewal for RT Level II certificate, needs renewal (1 day in 2014).
- : Attending welding inspection (CSWEP) training and successfully passed the exam and got CSWEP 3.1 certificate, needs renewal (5 days in 2010).
- : Level II in Visual Test (VT) (2004).
- : Level II in Day Penetrant Test (PT), needs renewal (2004).
- : Level II in Magnetic Particle Test (MT), needs renewal (2004).
- : Level II in Ultrasonic Test (UT), needs renewal (2004).
- : Level II in Radiographic Test (RT), needs renewal (2004).
- : Project Management Professional (PMP) course with attendance certificate (35 hr. in 2015).
- : Integrated Solution Program, most of the lectures (PGESCO).
- : Contract Management and Negotiation Workshop (Bechtel & PGESCO).

- : Codes and standards.
- : Product design and development (concept development).
- : 'How to initiate and manage a small business' course in the EIA.
- : Business planning.
- : Project Management Professional (PMP) 5th edition.
- : Attended workshops:
 - Marketing for Engineers (2002).
 - Microcontrollers (2 days).
 - Team work skills (Faculty of Engineering Alex).
 - Added value and creative thinking.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2018 till Dec. 2021
Employer : PGESCO
Project : Assiut 650MW Supercritical Power Project
Job title : Mechanical Engineer (Senior Welding Construction Engineer II)
Job Description :

- Follow up tank's construction quality for welding, dimension, painting, and documentation and safety activities.
- Monitoring welding quality, for boiler steel Structure, underground piping and storage Tanks.
- Review WPS, PQR as required.
- Attending welder qualification test as required.
- Supporting underground piping inspections (ductile iron, HDPE, RCC, Cast iron, carbon steel and Lining for Carbon steel piping).
- Material receiving inspection.
- Conducting Radiographic films audit as required.
- Witnessing pump alignment.
- Supporting HVAC inspections.
- Supporting firefighting inspections.
- Supporting closing out project.

Dates : From Jun. 2016 till Mar. 2018
Employer : PGESCO
Project : Burullus 4800MW Combined Power Project
Job title : Mechanical Engineer (Senior Welding Construction Engineer II)
Job Description : Provide Construction Technical support to Customer.

Dates : From Dec. 2013 till May 2016
Employer : PGESCO
Project : Suez 650MW Thermal Power Project
Job title : Mechanical Engineer (Senior Welding Construction Engineer I)
Job Description :

- Conducting on-site and off-site inspection for welding, piping and steel structure.
- Monitoring welding quality, for boiler steel Structure, underground piping and storage Tanks.

- Review WPS, PQR as required.
- Follow up tank's construction quality for welding, dimension, painting, and documentation and safety activities.
- Supporting underground piping inspection (ductile iron, HDPE, RCC, GRB, Cast iron and carbon steel as well as Painting and Lining for Carbon steel. piping).
- Material receiving.
- HVAC inspections, duct light test, sand trap, fans, balance test.
- Firefighting inspections piping, valves, fire Truck, fire cabinet, Tanks cooling piping, Tanks foam chamber installation.

Dates : From Jun. 2012 till Dec. 2013

Employer : PGESCO

Project : Banha 750MW Combined Power Project

Job title : Mechanical Engineer (Senior Welding Construction Engineer I)

Job Description :

- Conducting on-site and off-site inspection for welding Pressure vessel, rubber lining, and torque.
- Monitoring welding quality, Steam turbine and condenser related welding, HRSG steel Structure and piping welding, Gas turbine piping welding, underground piping and storage Tanks.
- Spot check as applicable for contractor's documentation systems, ITP, welding map, welding summary, calibration Certificates, Applying the last updated drawings and acceptance criteria for dimension, welding, pump alignment, review pressure test package.
- Initiating punch List for piping system(s) after site inspection, witnessing pressure test, pump alignment and bolt tightening.
- Review WPS, PQR, NDT Procedures, and welding consumable Procedure.
- Follow up tank's construction quality for welding, dimension, painting, documentation and safety activities (5 Tanks 2*35m diameter Carbon Steel for Solar, 2*12m diameter Stainless steel for Demineralized water, and 2*14 diameter Carbon Steel for filtered water).
- Supporting underground piping inspection (ductile iron, HDPE, RCC, Painting and Lining for Carbon steel. piping).
- Material receiving.
- Dealing with water treatments facility, welding visual inspection, conducting off site inspection for Tanks, pressure vessels dimensional, hydro, leak tests, Rubber lining.
- HVAC inspections, balance test.

Dates : From Jun. 2011 till Jun. 2012

Employer : PGESCO

Project : Abu Qir Thermal Power Plant 2x650MW

Job title : Mechanical Engineer (Senior Mechanical Construction Engineer I)

Job Description :

- Initiating and closing for mechanical punch list items for 2 Declination units.
- Instrument and service air piping and blow down system.
- Coordinating with contractor, startup department and owner.
- Material receiving and welding inspection.

Dates : From Nov. 2008 till Jun. 2011
Employer : PGESCO
Project : NUBARIA III Combined Cycle Power Plant (750MW)
Job title : Mechanical Engineer (Mechanical Construction Engineer III)
Job Description :

- Material receiving, Initiating and closing for Surveillances notice and punch list items, attending meetings to discuss punch list with owner and contractor and review turn over package for HRSG.
- Welding: steal structure, piping (carbon steel, stainless steel, alloy steel and aluminum) follow up welding activities for Heat recovery steam generator (HRSG), Gas turbine, Condenser, Steam Turbine, Critical piping connecting HRSG with Steam Turbine, Demi. Water Tank (Stainless steel), Iso Phase Bas (IPB) aluminum welding and Stacks, Conducting random visual welding inspection,
- Attending wetness points such as Penetrant Test, Ultrasonic test, Check Radiographic Films, Pressure Test: Review Hydro Test Package for items lick 11.5 Dia. Water tank and for condenser.
- Material receiving: conducting material receiving inspection for (HRSG) mainly, like Valves, Pipes, Fittings, Thermal isolation and steel structure, etc...
- Safety: Paying an attention to safety, attending company Safety Tool Box talks and giving instructions in site regarding workers safety.

Dates : From Sep. 2008 till Oct. 2008
Employer : EI Borsaedia, PSEW
Project : EI-Tebbin Power Project
Job title : QC Engineer for Storage Tanks
Job Description : Workshop fabrication training and site installation.

Dates : May 2008
Employer : Sigma Petroleum Trading Co.
Job title : Sales Engineer
Job Description : Training period on types, schedule and sizes for Pipes, stainless steel and carbon steel seam welded and seam less, Flanges, weld necked, raised face, flat face and RTJ, slip on, blind, seamless elbows 90 °and 45°, T connections threaded and weld able.

Dates : From Dec. 2007 till Mar. 2008
Employer : PETROJET (North Department)
Job title : Quality Control Engineer
Job Description :

- Industrial sector, dealing with clients like Petroleum Pipeline Co.
- Participating in:
 - Abbis workshop: follow up daily activities in, cutting (manual, semiautomatics and folly automated cutting), assembly, dimensional check, welding and final dimensional check for steel structure according to AWS.
 - Pipe lines 16" and 12" projects: supervision on conducting radiographic testing, follow up daily assembly and welding activities.

Dates : From May 2007 till Dec. 2007
Employer : PETROJET (Marine Department)
Job title : Quality Control Engineer
Job Description :

- Industrial sector, dealing with clients like El Khafjy, Gapco, Cameron and Saipem.
- Participating in:
 - Preparing Welding maps.
 - Maintaining Drawing and Welding maps updated to the last version.
 - Follow up daily construction activities.
 - Welding procedure specification WPS verification.
 - Assuring that only certified welders are working.
 - Follow up Jacket erection sequence assembly and welding for legs and bracing.
 - Deck star plat and pad eyes assembly and welding.

Dates : From Jan. 2007 till May 2007
Employer : PETROJET
Job title : Quality Assurance Engineer
Job Description :

- Industrial sector, dealing with clients like El Khafjy, Gapco, Cameron and Saipem.
- Preparing QA documentations needed to be submitted to client before starting work.
- Reviewing final project documentation before submitting to client to assure compliance with client requirements, supervision on daily construction activity.
- Equipment calibration analog and digital radiographic densitometers, AC and permanent magnetic yoke calibration according to ASME only.
- Preparing and updating new versions for Calibration Certificates Index.

Dates : From Jun. 2006 till Jan. 2007
Employer : SGS
Project : Nubaria I and II Combined Cycle Power Plant
Job title : Welding Inspector (Visual Inspection)
Job Description :

- Industrial sector, working as a freelancer there'd party (two jobs).
- Participating in: Welding inspection for Heat Recovery pipes according to ASME.

Dates : From Nov. 2005 till Jun. 2006
Employer : ICF International Crane Factory
Job title : Mechanical Production Engineer
Job Description :

- Responsible for supplying other departments there needs related to metal forming like machining, etching, drilling, etc. cooperating with technical office.
- Performing purchase order needed for each job.
- Producing cutting order for materials.

Dates : From Mar. 2005 till Nov. 2005
Employer : IEEE (Institute of Electrical and Electronics Engineers)
Job title : Volunteering Coordinator
Job Description : Volunteering in Industry University Link (IUL) program improving link between graduation projects and industry through MADE IN EGYPT (MIE) graduation projects competition all over EGYPT under IEEE umbrella.

Dates : From Dec. 2004 till Mar. 2005
Employer : DSD Ferrometalico
Job title : QC Engineer
Job Description :

- Quality Control for air intake and heat recovery structural steel.
- Following up daily assembly and welding activities.
- Inspection of incoming materials.
- Welding Visual and Magnetic inspection.
- Handover finished stages to the client.

Dates : From Oct. 2002 till Dec. 2004
Employer : DEVCO
Projects : Offshore (Barges and platform):

- Mari dive Offshore Services (Mari dive 300 barge), Pipeline laying - Performing welding visual inspection, Day penetrant inspection and Radiographic interpretation for daily Welded spools and welder qualification test.
- Tim barge Steel Structure, bracing and ladder - Performing day penetrant inspection.

Job title : NDT Engineer
Job Description :

- Performing inspections according to codes and standards such as ASME, AWS, API 1104, API 653 and BS. In varies sites such as Alex. Port, Timsah Yard, Elswedy Factory, Air Liquid, Sidi Krir Power Station, Misr Petroleum Company.
- Welding and material inspection by Magnetic (MT), Dye penetrant (PT), Visual (VT), Radiographic Interpretation (RT), and Ultrasonic (UT), Techniques.
- Ship structure plate thickness measurement inspection.
- Testing of pressure vessels (Thickness measurement, Performing Ultrasonic (UT) for welded joints and attending Hydro Test.
- Participating in a vacuum valve design for vacuum testing.
- Hardness testing.
- Vacuum Testing for Tank bottom welding.
- Thickness measurements of steel vessels.
- Review and editing of internal NDT procedures.