

Holds a B. Sc. in Mechanical Engineering and has over 7 years hands-on experience working in maintenance, welding, construction, project management and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/03/1987
Gender : Male
Residence : Assiut

EDUCATION

: B. Sc. in Mechanical Engineering, Assiut University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD, Solid Works, MS Project, MATLAB, Revit

TRAINING COURSES AND CERTIFICATIONS

- : Course of NDT methods in quality control and assurance (May 2020).
- : Welding techniques and methods (Nov. 2019).
- : Fire fighting system (Aug. 2018).
- : Training Course in Siemens Gas Turbine (SGT-2000E) Operation (May 2018).
- : Civil Defence / Emergency Response (Feb. 2018).
- : Risk assessment (Aug. 2017).
- : OSHA CFR1926 (Jun. 2017).
- : Training Course in GE Gas Turbine (Frame 9E) Operation (May 2017).
- : Vibration tests (Jun. 2016).
- : Employability skills training (Egypt) with the support and fund of the United States Agency for International Development (USAID) (Sep./Oct. 2014):
 - Communication between employees and customers
 - Teamwork and effectiveness.
 - Problem analysis and solving.
 - Innovation and creativity.

- Planning (long and short-term strategic planning).
 - Self-management and employees' satisfaction and growth.
 - Ongoing improvement and expansion in employees and company operations and outcome.
- : Internship at CEMEX (Egypt) (from Sep. till Nov. 2013):
- Cement industry production process.
 - Routine and non routine maintenance.
 - Equipment and production lines malfunctions reporting, analysis and solving.
 - Periodical mechanical inspection for tools, equipments, and machines.
 - Health and safety basics and requirements.
- : Internship at Egyptalum's Aluminum Plant (Sep./Oct. 2012):
- Observing production of rolling mill.
 - Learning manufacturing of extrusion industry.
- : Internship at Egypt Phosphate Company for the extraction and sale of phosphate ore (from Jul. till Oct. 2011):
- Maintained proper stock levels on a line.
 - Started machine operations by inserting control instructions into control units.
 - Supervised team of six skilled TIG and MIG helping them fabricate weldments to dimensional tolerances.
 - Drafted a timescale for all jobs.
 - Ensured the most cost-effective production methods were employed.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2020 till now
- Employer** : ASGC
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Fabrication, Erection of Piping spools & pipe support.
 - Preparing look ahead plan and making arrangements to achieve it.
 - Responsible for technical & engineering support to field supervisors required at site.
 - Co-ordination with and attending regular meeting with client.
 - Maintain co-ordination among the Field Engineers of various work discipline.
 - Preparation of daily & weekly progress report and submit to the Construction Manager.
 - Test packs construction clearance.
 - Hydrostatic testing of the pipe spools, valve and pad.
 - Reinstatement of the hydrostatic tested lines.
 - Punch list clearance and pre-commissioning.
 - Studying shop drawings at all the mechanical trades and coordinating with the subcontractors to install these trades in site.
 - Studying the project contract, B.O.Q and prices.
 - Preparing the proposal of Material and purchase order.
 - Studying the subcontractor offers technically and commercially.
 - Coordinating with technical procurement department (TPD) to end up the subcontractor contracts.
 - Preparing invoices according to the site progress.

- Following up and coordinating between Mechanical subcontractors and other departments at site in the installation phase according to the final approved shop drawing, standards, codes and rules of manufacturing till the test and commissioning phase
- Analyzing problems and coming up with designs to solve them.
- Networking and collaborating with other engineers and professionals.
- Working within the budget to deliver safe and efficient products on time.
- Allocating resources and time effectively.
- Developing design prototypes.
- Attending meetings and providing input and updates.
- Analyzing data to write up reports.
- Communicating with staff, directors and clients.

Dates	:	From Jan. 2020 till Aug. 2020
Employer	:	CEMEX
Job title	:	Mechanical Construction & Pre-commissioning Engineer
Job Description	:	<ul style="list-style-type: none"> • Managed working groups for up to 40 mechanical technicians. Planning, scheduling, organize and supervise activities related to maintenance, overhauls and plant shut-down. Work Packs preparations and compiling. • Responsible for all mechanical equipment operational integrity and reliability in all units. • Various diesel engines maintenance (generators and pumps driver). Kerosene and gas burners servicing. • Manage new equipment installation, pre-commissioning, commissioning and flawless start up. • MOC – Management of Change, project development issuing procedures and implementation supervise. • SOF – Statement of Fitness, track records in the installation, commissioning and handover of mechanical systems from project / major overhaul to operational phase. • Reliability assessment and development of maintenance strategies, proactive maintenance implementation. • Responsible for Plot Plan, equipment layout & piping layout. • Planning Designing the pipe rack width and elevation • Studying the Rack Piping and Modelling & final rack piping. • Pump Piping, Reactor piping, Vessel Piping ,Column Piping, Ex-Changer Piping and Heater Piping. • Preparation of Construction ISOs and Destruction ISOs. • Preparation of Bill of Material ,MTO preparation with manually and according to p&id also. • Preparation of TIE-IN and Valve schedules. • Prepare Underground piping layout oily water, drain philosophy for plant. • Fixing the equipment location and Elevation like Pumps, Reactors, Reformer, Heater, Vessel, Compressor, Ex-changers and Air-cooler. • Supervise the review & approval of piping isometric drawings to ensure compliance with P&ID's, material selections, ratings of fittings, etc. • Checking of isometrics as per P&ID, PMS & stress requirements and Issue for RFC (Release for construction). • Checking of Piping GAD, Isometrics, BOM & Piping Isometrics. • Designing Special Support Sketches as per Stress requirement. • Provide technical assistance to the site for any issues related to pipe

- erection, pipe floating, etc.
- Checking of Vendor G.A drawings of equipment's.
- Prepare nozzle orientation.
- Jointly review the 3-D model with the A/E, pipe fabricator and constructor to finalize the field weld locations.
- Prepare As build Drawing according to site requirement.
- Prepared line list, valve list, Piping GAD, isometrics extraction & Checking of all delivery documents.
- Supervise the review & approval of pipe spool drawings from the pipe fabricator.
- Review & approve the quality documentation from the pipe fabricator.
- FEED and Detail fire fighting piping system for all equipment's.

Dates	:	From Dec. 2016 till Dec. 2019
Employer	:	ORASCOM Construction
Project	:	New Capital Combined Cycle Power Plant
Job title	:	O&M, Construction, Piping & Commissioning Engineer
Job Description	:	<ul style="list-style-type: none"> • Coordination for the qualification of welders, inspection of site as per isometric, GAD and P&ID, fabrication of pipe spool, organize inspection of welding. • To execute underground piping water piping, fire fighting line ,plumbing piping, drainage piping for power plant and it's hydro testing according to ASME standards. • To execute all utilities piping for the plant and it's hydro testing coordination with vendors and other departments & welders. • Preparation of pipe line drawing and well experience in reading pipeline drawing and erection of prefabricated spools. • Calculating material take off from ISO drawing and documentation. • Identify equipment location as per general arrangement drawing and prepare layout and measurement, Check installed piping components as P&D. • Reviewing piping isometric support drawing and details. • Prepare weld mapping of isometric drawing and dimension check of completed spools. Maintain housekeeping and proper arrangement of spools in lay down yard. • Supervise activities inclusive of fabrication, installation of piping and structural installation, hydro testing and commissioning works. • Supervision of the chemical cleaning jobs of different system propane, Amine, Tag etc. coordination with NDT Engineer, installation of piping, • Prepare as built drawing, preparation of mechanical punch list, piping punch list hydro testing, Flange Management and box up activities as per applicable codes, procedure and standards. • Material specification, inspection requirements and organizes for stage inspection as required. • To study the vendor manuals for monitoring the materials delivery and ensuring all inspection of material/equipment as per vendor specification. • Managed the proper erection of pipes, hangers, and supports in field installations. • Hydrostatic testing of the pipe spools & hydro test of system by system, valve and pad. • Reinstatement of the hydrostatic tested lines.

- Punch list clearance and pre-commissioning assistance.
- Tie in connection for all kind of services, Fabrication, Erection of Piping spools & pipe support.
- Preparing look ahead plan and making arrangements to achieve it.
- Responsible for technical & engineering support to field supervisors required at site.
- Prepare as built isometrics as per site requirement.
- Co-ordination with other discipline and attending regular meeting with client.
- Maintain co-ordination among the Field Engineers of various work discipline.
- Preparation of daily and weekly progress report and submit to the Construction Manager.

Dates : From Mar. 2016 till Dec. 2016

Employer : CEMEX

Job title : O&M Field Service Engineer

Job Description :

- Material Planning & scheduling. Performed the material verification.
- Planning and executing of the work so as to achieve the Target as planned.
- Allotting works to efficient contractors.
- Preparing the protocols for completion of fabrication work.
- Installation of All critical line & Non-Critical lines as per isometrics & prepare As built isometrics as per site condition.
- Erection, fabrication and Commissioning of Boiler, storage tanks, piping & valves.
- Performed pre-commissioning and commissioning activity and prepare document.
- Performed leak test of storage tank in presence of client. And perform hydro, pneumatic test at site.
- Punch list clearance and pre-commissioning assistance.
- Prepare reports for day to day results and present them in weekly review meetings of both the Company and client.
- Lead, organize and motivate the team work to perform the plan tasks.
- Communicate and coordinate with projects CEMEX team with the required job.
- Prepare task plan for daily, weekly and monthly tasks.
- Follow up the progress on site to commit with time schedule.
- Insure that the safety requirements are commented.

Dates : From Jan. 2015 till Mar. 2016

Employer : Egypt Air Defense

Project : Military Service

Job title : Mechanical Engineer

Technical Skills:

Machining and Welding Tools: CNCs, mills, lathes, angle grinders, plasma cutters, oxy-acetylene torches, arc welders, band saws, grinders, shears, drill presses, chop saws.