

Holds a B. Sc. in Mechanical Production & Design Engineering and has 13 years experience in construction, Supervision of various construction projects, Testing & Pre-commissioning and electro-mechanical works in power plant and industrial projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/09/1982
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Production & Design Engineering, El-Minia University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Controlling Project Costs (PMBOK® Guide Fifth Edition).
- : TM2500 Borescope Inspection (Granite Houston Training Center, USA).
- : BOSITE Offshore training.
- : OGUK Medical Certificate.
- : Controlling Changes and Closing a Project (PMBOK® Guide Fifth Edition).
- : Initiating and Planning a Project V (PMBOK4).
- : Integrated Project Execution, Monitoring, and Control V (PMBOK4).
- : Work Breakdown schedules (PMBOK Fifth edition).
- : Project Management Process Groups (UK English).
- : Two training periods in Petrobel Company in the field (RIGS, POWER STATION, WORKSHOP).
- : Two training courses from Central Metallurgical Research and Development Institute (CMRDI):
 - Welding technology and welding metallurgy.

- Nondestructive testing methods (VT & PT & MT & UT & RT).
- : Training in Belgium at CMI Company for four weeks for the following:
 - Design difference between horizontal and vertical HRSG.
 - HRSG modules inspection.
 - FLOWSERVE HP/IP pumps.
 - Tyco safety valves.
 - HP, IP and LP drums.
 - KSP pump.
 - Welding procedures and welding checks, heat treatment.
 - Piping selection scheme for the design engineering.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2015 till now
- Employer** : GE
- Project** : TM2500 Mobile Gas Turbine Project
- Job title** : Mechanical TA
- Job Description** :
- Provide technical guidance and set or adjust parameters as necessary which each unit should be operated.
 - Provide on-site training for maintenance and operational staff and assist in the establishment of robust routine maintenance practices.
 - TM2500 Engine removal and reinstall.
 - Remove and replacement the GG for PGT25 Engine.
 - Performing Semi-Annual inspection for TM2500 engine.
 - Performing the Borescope (BSI) inspection for all TM2500 engine (HPC, cold Section, Hot section).
 - Perform Alignment for TM2500 engine.
 - Oversee the operation and maintenance personnel noting that allocation of manpower provided to be manually agreed between customer and contractor.
 - Evaluate equipment performance and recommend adjustments as required.
 - Recommend planned maintenance activities and oversee/ support the work to be completed.
 - Evaluate unplanned outages and to the extent consistent with individual training and site conditions, execute troubleshooting and corrective actions.
 - Review equipment performance and optimize as required.
 - Evaluate all alarms, trends, trips and improve overall equipment reliability availability.
 - Complete regular audits on equipment, logs, procedures to ensure units are being operated and maintained per procedures and vendor guidelines.
 - Work with customer to establish central warehousing of operational and capital spares and develop logistics and processes to provide emergency parts to site from the central warehouse to reduce downtime from forced outages.
 - Provide periodic reports outlining agreed to key performance indicator work completed corrective items required and suggestions to improve overall equipment operation.

- LM2500+ G4 4K&8K inspection and BSI inspection at MODEC Ghana, offshore platform.
- SB & PB implementation.

Dates : From Jan. 2015 till Oct. 2016

Employer : GE

Project : TM2500 Mobile Gas Turbine Project

Job title : Construction Coordinator

Job Description :

- Inspect all phases of public construction projects.
- Attend client meetings and assist with determination of project requirements.
- Responsible about module (Leveling, pre-stretch and alignment) construction.
- Support the Project Manager to ensure project objectives, policies, procedures, and performance standards are in accordance with company policy and contract specifications are met.
- Coordinate activities, resources, equipment and information.
- Keep the Project Manager (PM) and others informed about project status and issues that may impact client relations.
- Monitor and track project's progress and handle any issues that arise.
- Monitor progress against established timelines Plan projects and prepare construction schedules and milestones.
- Track the progress and quality of work being performed by design disciplines/trades.
- Use project scheduling and control tools to monitor projects plans, work hours, budgets and expenditures.
- Effectively and accurately communicate relevant project information to the client and project team.
- Ensure clients' needs are met in a timely and cost effective manner.
- Review field inspection reports from Consultants throughout the lifecycle of the project.

Dates : From May 2013 till Dec. 2014

Employer : Parsons Brinckerhoff (MENA)

Project : Rabigh Power Plant RPP2 (700MW x 4 Units)

Job title : Field Mechanical Engineer (BOP)

Job Description :

Mechanical activities consultancy in Rabigh RPP2, including:

- Heavy Fuel Oil tanks construction monitoring and inspection (8 x 10000 cum capacity).
- HFO tanks Construction and welding activities.
- HFO Forwarding Pump installation Monitoring.
- Air blowing, water flushing and Hydro test for Pipes.
- HFO steam heater pipes construction and welding inspection.
- Heavy Fuel Oil piping installation Monitoring, Walk down, Inspection and prepare punch list.
- HFO tank steam tracing pipes Monitoring construction and inspection.
- Insulation work including rock wool insulation and calcium silicate construction supervision and inspection.
- Heavy Fuel Oil Pump installation supervision.

- Condensate transfer piping installation supervision.
- Steam transformer equipment installation.
- Fit up and welding activities supervision and inspection.
- HFO tank's surface preparation and painting activities' supervision and inspection.
- Condensate System construction Monitoring.
- Feed Water System Construction Monitoring.
- Main steam piping (high pressure and intermediate pressure and low pressure) construction, flushing, testing, Commissioning, chemical cleaning.
- Pipe Supports setting in cold and hot position.
- Boiler Feed Water pumps installation.
- HP/LP Heaters Installation Monitoring.
- HVAC system construction supervision and inspection.
- HVAC system TAB and functional test.
- Chilled water system construction supervision and inspection.
- DX units', RTU, construction supervision and inspection.
- Duct work construction supervision and inspection.
- Firefighting system construction and pre-commissioning (Foam system, Wet sprinkler water system, Hydrant, FM200 system and hose cabinet system).

Dates : From Aug. 2012 till Mar. 2013

Employer : MTMM Mott Mac Donald Engineering Consultancy

Project : Fiber Glass Plant

Job title : Mechanical Construction & Pre-commissioning Engineer

Job Description : Mechanical construction & commissioning activities consultancy in Al Jubail including:

- Carrier Chilled water (HVAC) System.
- Minimax Firefighting System (FM200, Sprinklers system, Fire Pump Station).
- Utilities construction (storm water, Industrial waste water, Sanitary waste water, plumbing, potable water).
- Compressed air system.
- SORG Furnaces Construction.
- NOLTEC Batch Plant Equipment installation.
- Richard Wilcox Conveyor System construction.
- Shimadzu Winders system erection.
- RF oven and conventional oven construction & Commissioning.
- Gas, Oxygen, LPG stations and piping erection & Commissioning.

Dates : From Mar. 2012 till Aug. 2012

Employer : MTMM Mott Mac Donald Engineering Consultancy – Jeddah, KSA

Project : DELMON Edible Oil Factory

Job title : Mechanical Construction Engineer

Job Description : Construction & Pre-commissioning activities consultancy in Yanbu including:

- Tank Farm construction and testing (capacities from 50 T to 5000 T).
- THERMAX Boiler erection and steam pipes erection.

- Desmet Ballestra Edible Oil Refinery and piping construction and testing and commissioning.
- Utility construction.
- GRADE Refrigeration system for cooling (cooling capacity 2940 kW).

Dates : From Feb. 2007 till Mar. 2012

Employer : Upper Egypt Electricity Production Company (UEEPC)

Project : El-Kureimat III Combined Cycle Power Plant 750MW

Job title : Mechanical Construction & Commissioning Engineer

Job Description :

- Flowserve HP/IP pumps installation and commissioning.
- KSB LP Pump installation and commissioning.
- Main steam piping (high pressure and intermediate pressure and low pressure) construction, flushing, testing, Commissioning, chemical cleaning.
- HRSG Modules erection.
- Valves commissioning, testing and setting.
- Scheduling and monitoring of functional and operational tests of various equipment's in order to prepare the equipment to the first start-up.
- Verification of the compliance of test results with the design and reliability requirements.
- Inspection and reviewed material certificates against codes and project specification.
- Make the commissioning walk down for main steam; feed water, cold reheat, HP and IP by pass, service and instrument air, condensate, below down, chemical injection systems.
- Supervision on pipe wrapping, coating and cathodic protection and wrapping thickness test.
- Project closing out by developing punch list of incomplete work, reviewing contractors' invoices (shipment, material receiving, progress, completion certificates, turnover and acceptance certificates), Turnover and acceptance package.
- Turbine system installation and commissioning for (Lube oil system, cooling water system, Co2 GT & generator system, fuel gas system, and compressor and washing water system, drainage system.....) by performing walk-down, inspections and tests.
- Pipe Supports setting in cold and hot position.

Dates : From May 2005 till Jan. 2007

Employer : AL-KAWTHER Sweet Water – Dammam, KSA

Job title : Mechanical Construction & Commissioning Engineer

Job Description :

- Construction of 3 units R.O water desalination plant (750m³/day/unit) for Aramco.
- Performing all activities related to pneumatic and hydrostatic testing.
- Performed the commissioning activities for the pumps and plant equipment.
- Start-up the plant.
- Scheduling and perform the maintenance activities for the plant.

Dates : From Sep. 2004 till May 2005
Employer : Tri-Man Oil Field Service – Giza, Egypt
Job title : QC Engineer
Job Description :

- Responsible for the overall quality of work performed at the workshop.
- Assuring that welders are properly qualified before performing production welding.
- Performing inspection, examination, test activities.
- Repairing and rethreading all the rotary shoulder connections.
- Fabricating and dressing the stabilizers (bladed & integral).

Field of experience : 13 years experience in construction, Supervision of various construction project, Testing & Pre-commissioning and electro-mechanical works in power plant and industrial projects had given me a good level of experience and professionalism as a result of working in large scale, small scale and turnkey projects inside EGYPT and outside in Gulf region. Also working with big names like Mott MacDonald, Parsons Brinkerhoff and GE gave me good understanding of large systems and how to professionalize my work. My experience can be summarized as follows:

- Monitor and witness erection and alignment of equipment, piping pressure test, painting and insulation works.
- Experienced in the fabrication, installation and testing of many types of mechanical / piping systems, together with experience of Power Generation (steam and combined cycle), Edible Oil, Crude oil, Natural Gas and Oxygen, LPG, High pressure steam, high pressure water, recovery and process, Automation, Hydro testing & Leak Detection, Factory Acceptance Tests and many other related skills.
- Review test packages and perform punch-listing activities.
- Supervise pre-commissioning activities such as water and oil flushing, air and steam blowing and nitrogen purging.
- Condensate System construction Monitoring.
- Feed Water System Construction Monitoring.
- Main steam piping (high pressure and intermediate pressure and low pressure) construction, flushing, testing, Commissioning, chemical cleaning.
- Pipe Supports setting in cold and hot position.
- Boiler Feed Water pumps installation.
- Coordinate completion of construction activities in assigned systems and prepare punch lists to ensure the readiness of systems for release for turn-over to the client or for start-up.
- Monitor and inspect construction operations to ensure compliance with design documents.
- Maintain liaison with the design engineer to schedule and coordinate the release for construction of design documents in support of the construction schedule.
- Monitor subcontractor's performance to ensure conformance to project quality, safety, security, and specification requirements.
- Investigate and resolve engineering and technical related problems.
- Participate in regularly scheduled construction progress meetings.
- Review and process construction submittals.
- Inspection and witness of installation piping / hydro test prepare and review test package, flushing process for pipes and pipe conservation.

- Scheduling and monitoring of functional and operational tests of various equipment's in order to prepare the equipment to the first start-up.
- Erection, Inspection of insulation system for piping.
- Inspection of installation pumps & equipment leveling and alignment.
- Perform technical evaluation and equipment selection.
- Review vendor drawings, calculations, start up Procedures and other vendor documentations.
- Conduct inspection activities at vendor facilities.
- Check equipment layout, equipment modeling and assists in design reviews.
- Supervision on pipe wrapping, coating and cathodic protection and wrapping thickness test (Holiday test).
- Inspection material, welding and supervision on the site activities for (HVAC, construction of tanks, pumps, all welding process, firefighting and HRSG, walk down, pipe support erection) using difference standards and methods.
- Ensure that all project and test documentation is correctly produced and securely filed.
- Co-ordinate between piping and hydrotest to ensure unit construction, installation and pre-commissioning progresses to the approved manufacturing plans, erection plans and ITP.
- Review P&IDs, documentation, drawings and submittals ensuring that materials, welding consumables, piping, system components, NDE reports, welder qualification etc. all conform to project specification.
- As built drawings and modifications executed on field.
- Prepare the Non compliance Report (NCR), and Site Observation Report (SOR) for site violation work.
- Operation & Maintenance advisory.
- Field service Activities (SAI, BSI, engine removal, troubleshoots, hot section exchange, SB& PB implementation).
- Experience in using the following Codes & Standards:
 - ASME B31.1, ASME I, ASME II, ASME B31.3, ASME B31.8.
 - API 650, API 1104.
 - SMACNA.
 - ASTM.
 - NFPA.