

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience in multiple construction professions, mainly in the field of Erection, Welding and Non-destructive test for Gas Turbine, mechanical rotating and static equipment's, piping, pipelines and Storage tanks.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Gharbia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Fire fighting.
: Rigging and lifting appointed.
: OSHA Construction CFR1926.
: OSHA General CFR1910.
: Risk Assessment.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2016 till now
Employer : MEGA FOR CONSTRUCTION & INDUSTRIES
Project : EI-Burullus Combined Cycle Multi Shaft Open Circuit Cooling Power Plant – 4800MW
Job title : Site Mechanical Manager (Modules 4 & 2)
Job Description :

- Erection, Testing, Pre-Commissioning, and Assistance in Commissioning of the Entire Mechanical Works for two modules (4) Gas Turbines, (2)

Steam Turbines, (4) Heat Recovery Steam Generators, BOP at El-Burullus Combined Cycle Power Plant.

- Prepare the project's baseline program in coordination with the planning engineer.
- Prepare all the project resources forecasts (Manpower, Plant) in coordination with the Planning engineer in order to load the baseline program's resources and further maintain all Resources to be within the project budget.
- Implement Safety Management.
- Keeping accurate administrative records of expenditure, accounting, costing and billing.
- Prepare all the site layouts and plans.
- Manage and lead a team of site engineers and foremen to ensure proper implementation of all construction activities onsite.
- Manage, supervise, and coordinate sub-contractors onsite.
- Prepare requisitions for the required materials and equipment.
- Holding weekly internal and external meetings on progress.
- Developing budgets and agreeing project time scales.
- Responsible for costing, estimating and planning projects.
- Writing detailed and summarized project progress reports.
- Responsible for resource management.
- Experience of working with stakeholders, and solution providers.
- Creating effective, informed and highly motivated teams focused on delivery.
- Tracking activities against the detailed project plans.
- Holding weekly internal and external meetings on progress.
- Ensuring HSE regulations and quality.
- Managing staff to ensure that all milestones are achieved within the agreed time frames.
- Ensuring effective quality control processes are in place to monitor deliverables produced.
- Responsible for identifying, analyzing, measuring and managing project risks.

Dates	:	From Feb. 2015 till Feb. 2016
Employer	:	MEGA FOR CONSTRUCTION & INDUSTRIES
Project	:	WEST DAMIETTA SIMPLE CYCLE GAS TURBINE (500MW) Fast Track Project, CP-101
Job title	:	Site Manager (Power Island and BOP)
Job Description	:	<ul style="list-style-type: none">• Ensure that all piping and mechanical activities within the designated Power Island & BOP areas are well planned, coordinated and be able to utilize all available resources in directing and supervising all involved site personnel and subcontractors.• Inspect work in progress to ensure conformity with Quality Assurance/Quality Control specifications and quality requirements, Industry Codes, Standards and Procedures, and provides technical advices to resolve problems.• Lead the construction teams, in close cooperation with the Project Manager, in assembling and controlling the required manpower resources, equipment's, materials and tools required to complete the project. Ensures that all work groups are properly guided, with effective

- resources and perform the expected efficiency and productivity.
- Advise the Project Manager in determining and procurement of tools and materials to be delivered at specific times in order to conform to the workloads, plans and schedules.
- Interact discuss and review with Project Manager the project Key Performance Indicators to determine accurate status of the project, making tactical decisions for allocating resources, and assigning staff requirements, to maintain project on target.
- Review reports from Superintendents, and forwards to Project Manager for corrective actions if project becomes behind schedule, slippages or overspends budget.
- Department on-boarding and induction relevant to procedures guidelines, policies, etc.
- Support and assist staff to the job with skills training programs (if requires), with the aim of increasing worker skills and personnel development.
- Follow up the mechanical construction for all firefighting system.
- Supervising the installation & testing piping for all Underground & Fire Fighting systems.
- Follow up the commissioning process for each unit.
- Follow punch list.
- Prepare end of erection report for main contractor.
- Engineering & Control Engineer.
- Mobilization and Demobilization.
- SECONDARY DUTIES RESPONSIBILITIES:
 - Comply with the highest level of health, safety and zero accident during all stages of project execution and pro-active with safety groups and subcontractors to promote safe and hazardous free work within the designated area of work.
 - Comply with all statutory requirements connected with the implementation of project.
 - Ensure the proper closeout of project including transmittal of final documentation to client.

Dates : From Feb. 2013 till Apr. 2014

Employer : KHARAFI NATIONAL COMPANY

Project : Conversion GE Gas Turbine Frame 9E from Standard Combustor to DLN-1:

- This FDM modifies 16 GE EPE-Belfort manufactured 91E units from standard combustor dual fuel with water injection (gas/distillate) to DLN-1 dual fuel with water injection configuration. The 16 units are located in three different sites as follows:
 - El Shabab - QTY 6 x FRAM 91E Units
 - Damietta - QTY 3 x FRAM 91E Units
 - West Damietta - QTY 4 x FRAM 91E Units
- The Dry Low NOx-1 combustion system reduces NOx emission, without steam or water injection on gas fuel units, through lean-premixed burning in multi-zone combustion liners, and by new fuel control equipment which directs fuel to the different liner zones depending on the mode of operation. NOx control for gas fuel is via the Dry Low NOx-1 system, while NOx control for distillate fuel oil is by lean combustion augmented with a water injection system. This modification includes new combustion

casings, combustion liners, combustion covers and first and second stage fuel nozzles. Several valves and piping arrangements will need to be modified or replaced. In addition, the turbine control system MK Vie software is being modified to reflect the new functionality of the newDLN-1 dual fuel being provided and Tubing arrangements, fuel GAS and Liquid fuel.

- Job title** : Site Manager
- Job Description** :
- Responsible for DLN Retrofit in 16 gas turbines frame 9E including construction, commissioning and start-up and Ultimately responsible for the direction and coordination of site resources, in order to ensure that construction meets all contractual requirements and profitability projections in the most cost effective and efficient manner.
 - Ensure that field construction, follows the specifications and drawings as noted in the contract documents in terms of HSE, quality, cost and planning.
 - Inventory of all DLN material for all units (GE Site lead).
 - Installing new combustion system.
 - Modify Purge air system.
 - Modify atomizing air system.
 - Modify cooling and sealing air system.
 - Modify water injection system.
 - Modify gas fuel system.
 - Modify water cooling system.
 - Bearing No 2 and bearing No.4 inspection and repair.
 - Follow up the cables conduit erection and pulling and termination
 - Carry out all commissioning activities that required for start-up.
 - I could cutting costs 20% saving 15 man-hours of work per week / increasing revenue by 9% getting the job done about 20% faster and helping customers 20% more of the time.
- Dates** : From Oct. 2012 till Jan. 2013
- Employer** : MEGA for Construction & Industries / DOOSAN HEAVY INDUSTRAIES & CONSTRUCTION
- Project** : El Ain El Sokhna Supercritical Thermal Power Plant (650MW x 2 Units), CP-105 (the project is consisting of PRESSUER PART, WINDOBOX, AIR DUCT, and GAS DUCT and SPRING HANGER SUPPORTS, EXPANSION JIONIT (metallic and non-metallic) for supercritical thermal boiler)
- Job title** : Mechanical Construction Manager
- Job Description** :
- Review all the project activities as per the schedule and estimate the needed manpower for each to compare it to the actual manpower for the subcontractor and decide how much more we need to finish acc. to schedule.
 - Supervise and monitor the site lab our force through engineers, general superiors and foremen.
 - Management the construction of plants, equipment, components or systems, to ensure the work is executed to the clients specifications.
 - Resolve any unexpected technical difficulties and other problems that may arise at any time.
 - Follow up the progress of the construction work to define the weak points and report the daily record of the progress for each activity to the project manager.

- Check the availability of the mechanical materials for each system and check it upon arrival.
- Supervise all Installing and preassembly for boiler.
- Following up Welding procedures in accordance with the requirements of ASME code:
 - Weld procedure specifications (WPS).
 - Procedure qualification records (PQR).
 - Welding inspection procedures.
 - Weld filler material control procedures.
 - Post weld heat treatment procedures (PWHT) procedures.
 - Non-destructive examination (NDE) procedures.
 - Positive material identification (PMI) procedure.
 - Following up pressure test as per ASME code (B31.1).

Dates : From Jul. 2012 till Oct. 2012

Employer : ASEC - ARESKO for Manufacturing & Industrial Projects

Project : Pipe line and Piping for Expansion Stage Four Gold Products
 (the project is consisting of Pipe line and Piping for Expansion Stage Four Gold Product which contains three pipeline length of each on 25 km water supply form red sea to digs different size (32, 24, 20 inch) for mining and the piping related to the different systems such as; 2500 inch stales steel pipe, 55000 inch HDPE pipe, 19500 inch carbon steel, 3200 inch carbon steel rubber lining for process mining)

Job title : Site Manager

Job Description :

- Review all the project activities as per the schedule and estimate the needed manpower for each to compare it to the actual manpower for the subcontractor and decide how much more we need to finish acc. to schedule.
- Follow up the progress of the construction work to define the weak points and report the daily record of the progress for each activity to the project manager.
- Check the availability of the mechanical materials for each system and check it upon arrival.
- Supervise all Installing prefabricated Spools & Supports.
- Supervise of installation pumps & equipment leveling and alignment.
- Follow up the piping work through the isometric drawings and the general layout drawings.
- Supervise the pre-commissioning of the different piping systems such as cleaning, pickling, and flushing for each system.

Dates : From Oct. 2011 till May 2012

Employer : ASEC - ARESKO for Manufacturing & Industrial Projects

Project : WEST DAMIETTA SIMPLE CYCLE GAS TURBINE (500MW), CP-101
 (the project is consisting of the Power House which contains the Tanks Farm which contains (07) Cylindrical steel tanks with different capacities up to 30,000 m3 (single shell tanks, with structural and Self-supported cone roofs) and fuel unloading station, fuel oil treatment skid, GT and fuel Forwarding pump, foam station, (RO, DIM) plant, fire pump room and the piping related to the different systems such as; Water supply, fuel, foam, firefighting and fuel system)

Job title	:	Site Manager
Job Description	:	<ul style="list-style-type: none"> • Review all the project activities as per the schedule and estimate the needed manpower for each To compare it to the actual manpower for the subcontractor and decide how much more we need To finish acc. to schedule. • Follow up the progress of the construction work to define the weak points and report the daily Record of the progress for each activity to the Project Manager. • Check the availability of the mechanical materials for each system and check it upon arrival. • Review all the mechanical drawing and check the BOM for each. • Follow up the fabrication and construction works for the steel tanks (All the tanks is constructed Acc. to API 650). • Follow up the piping work through the isometric drawings and the general layout drawings. • Supervise the tests of the steel tanks (UT for the shell, Vacuum box for the bottom and the pressure hydro test). • Follow up the painting procedures for the steel tanks. • Supervise Mechanical completion and reinstatement for piping. • Installation Construction of Bolted Steel foam Storage Tanks. • Fabrication and Construction of steel Cylindrical Tanks up to, 30,000 m3 • Erection and Testing of different piping system such as: Fuel, foam, Water for drinking and fire-fighting system. • Supervise the pre-commissioning of the different piping systems such as cleaning, pickling, And flushing for each system. • Supervise all Mechanical Systems construction works, which are: <ul style="list-style-type: none"> - Water Supply System. - Fire Fighting System. - Fuel unloading station. - Fuel oil treatment skid. - GT and DG fuel forwarding pump. - Foam station. • Witness most of the commissioning activities, such as: <ul style="list-style-type: none"> - Checking of pumps (Cleaning, Alignment, Lubrication), start-up of different Equipment's such as forward pump, Fire pumps, Fuel and Oil pumps. - Start-up of different systems such as fuel, oil, water, foam system.
Dates	:	From Dec. 2010 till Sep. 2011
Employer	:	MEGA FOR CONSTRUCTION & INDUSTRIES
Project	:	NEW DAMIETTA SIMPLE CYCLE GAS TURBINE (4x125MW), CP-101
Job title	:	Construction Manager for Unit No. 02 & Unit No. 04
Job Description	:	<ul style="list-style-type: none"> • Assist the Project Manager for following up the Schedule, Quality and budget: <ul style="list-style-type: none"> - Receive and manage the project documentation from the head office and the field being responsible to work with the latest revision. - Inspect the site to verify the readiness of the areas where the work has to start. - Verify together with the material controller (under his responsibility) that materials are available at site before the mobilization of people

- for the concerned activity.
- Anticipate and work-out any non-conformity in the composite drawings before the activity begins.
- Handle all the issues related to mechanical activities such as equipment installation, HVAC, various piping and drainage.
- Compare project budget quantity and hours with the related dates received from the site supervisor concerning the quantities and activity cost codes.
- Verify that activity codes are reported in the appropriate documentation for the productivity follow up.
- Keep one master copy of all the drawings with the mark-up of the job executed upon completion of a zone.
- Responsible for handling the issuance of material requisitions by the material man.
- Instruct the store keeper to segregate the material belonging to a system or a certain drawing, in an area at disposal of the foreman who will execute the works.
- Discover the reasons of material shortage (whenever a shortage occurs) and overcome the problem by recording the event and making a prompt and appropriate action towards the project manager.
- Agree on a system to record the quantity installed together with the foreman, and under the responsibility of the site supervisor on a daily basis.
- Responsible for all construction activities: Starting from foundation sole plate positioning, leveling, anchor Bolts coordination, pre-alignment, installing the skids, final alignment in addition to erection of exhaust & inlet ducts beside the filter house and stack up to pre-commissioning and start-up troubleshooting.

Dates : From May 2010 till Dec. 2010

Employer : ASEC - ARESO for Manufacturing & Industrial Projects

Project : SOUTH VALLEY CEMENT COMPANY PROJECT

Job title : Senior Mechanical Engineer

Job Description :

- Supervise all activities work for steel structure for KLIN BAG FILTER, HOT GAS GENERATOR.
- Supervise all mechanical construction internal FILTER Activity in the Site.
- Supervise all mechanical construction internal HOT GAS Activity in the Site.
- Supervise the Modification AS Required due To site problems.
- Supervise of installation ID FAN, VRM FAN equipment levelling and alignment.

Dates : From May 2009 till Apr. 2010

Employer : ASEC - ARESO for Manufacturing & Industrial Projects

Project : EL-ATF Power Station Combined Cycle (750MW), CP-105

Job title : SENIOR Mechanical & Piping Engineer (HRSG Manager)

- Job Description** :
- Follow up all construction activities related to heat recovery steam generator (HRSG), Expansion Power Plant (750MW), Combined Cycle 2 Phases each one is (2x250MW MHI Gas Turbine + 250MW Steam turbine Ansaldo & HRSG Supplied and constructed by NEM):
 - Responsible about all Mechanical site Activities.
 - Writing reports and organizing the work on M.S project program.
 - Follow up the Completion of all systems punch list with the subcontractors.
 - Follow up all daily and weekly of construction meeting.
 - Preparing the lifting plan.
 - Preparing of equipment utilization plan.
 - Erection of non-pressure parts:
 - Steel structure (Goalposts, Staircase tower, Wall case and Stack).
 - Erection of bumpers, attic plate basement plate.
 - Adjusting and erection of pipe support (variable and rigid supports).
 - Erection of expansion joints.
 - Erection the side wall baffles. Guide plate.
 - Erection of pressure parts:
 - Erection of harps (alloy steel P22, P91 and carbon steel).
 - Erection of HP, LP and IB drum.
 - Erection of blow down system.
 - Steam blow and erection of pumps.
 - Erection large and small bore piping (carbon steel, alloy steel).
 - Following up Welding procedures in accordance with the requirements of ASME code:
 - Weld procedure specifications (WPS).
 - Procedure qualification records (PQR).
 - Welding inspection procedures.
 - Weld filler material control procedures.
 - Post weld heat treatment procedures (PWHT) procedures.
 - Non-destructive examination (NDE) procedures.
 - Positive material identification (PMI) procedure.
 - Following up pressure test as per ASME code (B31.1).

Dates : From May 2007 till Mar. 2009

Employer : ASEC - ARESKO for Manufacturing & Industrial Projects

Project : Calcium Carbonate Plant

Job title : Mechanical Construction Engineer

- Job Description** :
- Review all the project activities as per the schedule and estimate the need Manpower for each.
 - Follow up the progress of the construction work to define the weak points and report the daily record of the progress for each activity to the manager.
 - Supervise all activities work for steel structure, insulation.
 - Supervise all activities for sheet metal works, such as pressure vessel.
 - Supervise all Mechanical Systems construction works, which are:
 - Installing and aligning mechanical equipment's: Ball Mill, Bag Filters, Dynamic Separator, Chain conveyor, Belt Conveyor, Packing Machines, Screw Conveyor and hoists.
 - Supervise all activities work for Compressor and Water Pump Station.
 - Supervise all activities piping for Water Supply, Fire Fighting

System.

Dates : From Feb. 2006 till Mar. 2007
Employer : Al Jaber Transport & General Contracting WLL, Qatar
Project : Qatar Shell Pearl GTL Project (Gas to Liquid Plant)
Job title : Piping Engineer
Job Description :

- The main purpose job to contribute to the construction of Glass Reinforced Plastic GRP Piping Materials on site by providing technical guidance & expertise in the field of Fit up, Lamination & Fabrication to meet the client contract specifications.
- Inspection of all associated activities related to GRP materials starting from the fabrication shop, construction & erection & hydro testing.
- Site supervision for all piping erection & installation for different types of materials including (CS, SS, Duplex SS, Incoloy & Inconel Alloys).
- Test Packages Coordination at site for Line Punching & clear all items from QC & Client Reps.
- Provide all types of missing materials for line completion including different piping components & piping supports.

Dates : From Oct. 2005 till Jan. 2006
Employer : ASEC - ARESCO for Manufacturing & Industrial Projects
Project : Sulphuric Acid Plant
Job title : Mechanical Engineer
Job Description :

- Check the availability of the mechanical materials for each.
- Review all the mechanical drawing.
- Follow up the submittals status for Shop Drawing Materials and Equipment.
- Supervise all Mechanical Systems construction works.
- (2) Chain Bucket Elevator, Heat Exchanger and hoists.

Dates : From Jun. 2005 till Sep. 2005
Employer : ASEC - ARESCO for Manufacturing & Industrial Projects
Project : New Talkha Power Station (750MW), CP-105
Job title : Piping Engineer
Job Description :

- Supervise all activities work for steel structure, insulation and casing.
- Supervise all mechanical construction internal boilers in the Site.
- Supervise Piping Construction Activity in the Site.
- Supervise all Installing prefabricated Spools & Supports.
- Supervise of installation pumps & equipment levelling and alignment.
- Preparation of Piping Test pack.
- Supervise piping Test Pack Activity.
- Supervise Mechanical completion and reinstatement for piping.
- Preparing modifications and field revisions.

Dates : From Dec. 2004 till Apr. 2005
Employer : ASEC - ARESCO for Manufacturing & Industrial Projects
Job title : Fabrication Engineer in workshop

- Job Description** :
- Study all drawings related to the project to report any missing details or any conflict between drawings and cutting plans.
 - Check the quantity and inspect the materials when arrived to workshops.
 - Follow up the fabrication of different Parts in two different workshops.
 - Control the Fabrication Process for the different item and choose the suitable.
- Field of experience** :
- About 14 years experience within the engineering sector and Mega Projects, Power Generation Construction.
 - Experience in multiple construction professions, mainly in the field of Erection, Welding and Non-destructive test for Gas Turbine, mechanical rotating and static equipment's, piping, pipelines and Storage tanks.
 - Construction of large industrial projects such as Oil & Gas, Power Stations, Gold Mining, Cement Factories, steel making plants and Petrochemical projects. And management position with a track record of significantly of project completion with very tight schedule (fast track project).
 - Experience in Construction, Engineering and Management Position as Site Manager, Construction Manager, Mechanical Team Leader Engineer, Piping Engineer, Coordinators and Fabrication Engineer.
 - Large experience in the execution and supervision of all construction activities and ability to handle the projects from starting stage until Final Handing Over, including project Quality manual, procedures according to the nature of the relevant projects Technical Specifications, evaluating the Technical Offers and recommend the appropriated subcontractors and sub-suppliers.
 - Ability to review the Materials inquiries, communicate with the Employer / Engineer to resolve any of the Project or Site Technical problems, liaison of technical matters and handing over work portion, coordinate technical details to help construction schedules to ensure smooth allocation with erection works to optimize the construction schedule and ability of coordination with clients, suppliers and subcontractors.