

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years hands-on experience working mainly in construction and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/11/1986
Gender : Male
Marital Status : Married
Residence : Benha, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2009

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2007 (2D & 3D)
: Solid Edge version 1

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training at STF facility (STF Magenta ITALY) for Heat recovery steam generator Maintenance Course.
: On-shore Training (Giza North Power Project) for Gas Turbine & Generator Maintenance.
: On-shore Training (Giza North Power Project) for pumps provided by EBARA.
: On-shore Training (Giza North Power Project) for feed water pumps provided by KSB.
: Laser alignment course.
: Vibration analysis course.
: Total productive maintenance.
: HVAC and ventilation systems design.
: ICDL course.
: AUTOCAD course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2021 till now
Employer : China Energy Engineering Group Jiangsu No.1 (JEPCC 1)
Project : Cairo West Supercritical Power Plant 650MW
Job title : Warranty / Service Manager
Job Description :

- Document, validate, and resolve warrant claims, and communicate with customers.
- Answer phones and resolve customer concerns.
- Process warranty enrollments, educate customers about usage, and answer questions.
- Create reports on customer interactions, warranty claims, and related statistics.
- Analyze root causes of warranty claims and identify methods to reduce claims.

Dates : From Jan. 2021 till Aug. 2021
Employer : China Energy Engineering Group Jiangsu No.1 (JEPCC 1)
Project : Cairo West Supercritical Power Plant 650MW
Job title : Deputy Commissioning / Start-up Manager
Job Description :

- Responsible for the application of Project safety management systems during the planning and execution of Commissioning and Startup project phases, adapting them to the specific needs and any unique risks.
- Responsible for health, safety and environmental performance for all personnel and facilities under their control during Commissioning.
- Responsible for the development and implementation of detailed execution plan for non-energized, energized testing activities, including schedule and budget fully integrated with the project schedule and budget including:
 - System and sub-system scoping.
 - Commissioning procedures.
 - Commissioning Division of Responsibility matrix.
 - Interface Management.
 - Turnover Completions Package index correlated with Commissionable systems.
 - Handover procedures, including acceptance tests, forms, and work processes.
 - System testing procedures.
 - Specialty Cleaning.
 - FAT coordination.
 - Resourced Completions and Commissioning Schedule.
 - Resource Staffing Plan.
 - Commissioning Raw materials, intermediates and spares list.
 - Risk Management (system specific) and mitigations.
- Coordinate the preparation of the detailed area commissioning plans.
- Responsible for the overall Commissioning team and to oversee the recruitment, mobilization, training, supervision and de-mobilization of personnel.
- Responsible for the safe and timely execution of all Commissioning

activities and integration of these activities with both Project and Operations.

- Responsible for managing interfaces with Construction and Commissioning Managers and their respective teams.
- Coordinate with Engineering to ensure that Commissioning and Start-up Engineering deliverables are met.
- Ensure Commissioning input into Procurement POs for meeting Completions and Commissioning requirements.
- Responsible to ensure that all documentation relevant to the Commissioning phase is received by the Project. This includes, but not limited to O&M manuals, Training materials, Engineering databases for O&M systems upload, spares lists and spares.
- Responsible for the coordination of vendor representatives required during Commissioning.
- Responsible for the development and communication of the requirements and timing for materials, resources and external services for Commissioning and ensures these requirements are secured.
- Responsible for the development and execution of the Specialty Cleaning Plan.
- Responsible for management of the Project Preservation Program.
- Work closely with the Project Management Team to ensure the requirements for the Commissioning phase are clearly communicated and understood.
- Lead daily and weekly progress review meetings.
- Liaise with Statutory Authorities on matters associated with plant start-up.
- Assist Client during the Process Commissioning phase.

Dates	:	From Apr. 2018 till Jan. 2021
Employer	:	China Energy Engineering Group Jiangsu No.1 (JEPCC 1)
Project	:	Cairo West Supercritical Power Plant 650MW
Job title	:	Construction Manager
Job Description	:	<ul style="list-style-type: none">• Executing the project construction activities (or part thereof), in line with the project specifications, scope of work, schedule, and client requirements. Leads a team of construction superintendents, and manage the construction subcontractor's construction managers in completing the subcontracted works, while maintaining the required HSE and Quality standards. Represents the company during the execution of the construction works.• Review and understand the project HSE and Quality requirement, scope of work, specifications, and project overall schedule.• Prepare Construction Management Organization chart, identify key positions, and prepare mobilization plan, in coordination with Project Director (or Field Project Manager).• Prepare, in coordination with construction subcontractor's managers, and the project director, the subcontracting and mobilization plan.• Prepare the construction schedule in conjunction with the planning engineers with details on specific activities and respective dates of completion.• Ensure the mobilization of all labor, materials and equipment in the most

cost effective and efficient manner to achieve the construction objectives.

- Commence the construction as per guidelines set and ensure the completion of the same as per the above plan.
- Lead the construction management team, fostering continuous inter-discipline coordination to ensure the smooth completion of all activities with minimum interruptions & reworks.
- Promote excellent working relationships with construction subcontractor team members.
- Coordinate to resolve all design and engineering issues and will manage commercial and contractual issues, have overall responsibility for the budget, schedule, QA/QC, safety and reporting, as related to the Power Plant.
- Review and lead the implementation of the project HSE & Quality plans.
- Contribute to project constructability review workshops at home office during engineering activities, in coordination with construction support engineer, and subcontractor's construction managers.
- Ensure continuous construction work fronts availability through preparation and review of look ahead schedules, commodity charts, engineering deliverables and material delivery schedules.
- Constantly identify bottlenecks for progress on construction and proactively take action to resolve the same.
- Sharing daily, weekly & monthly internal meetings, and ensures action points are liquidated in a timely manner.
- Continuously assess, with the QC & HSE managers, the status of Construction Quality & HSE, and ensures timely closures of corrective actions & non-conformances.
- Coordinate and liaison with client/contractor and certifying and regulatory authorities in order to ensure that the project is in compliance with all requirements.
- Ensure proper and timely hand over of systems / subsystems to commissioning teams, and provide assistance as required.
- Continuous performance assessment of subordinates, giving them feedback on their performances, their strengths and weaknesses, giving them clear guidance on areas where they should improve. Ensures that this system is cascaded down in his organization at site.

Dates	:	From Nov. 2017 till Apr. 2018
Employer	:	J.V Siemens / Orascom (SAG/OCI)
Project	:	New Capital Combined Cycle Power Plant (NCCP) 4800MW – 4 Modules x 1200MW
Job title	:	Area Team Leader Engineer for Module Four 1200MW
Job Description	:	<ul style="list-style-type: none">• Supervising a team of Pipe Engineers within the Pipe Production Facility Manufacturing pipework systems.• Attending the schedule/planning meeting to set the required dates in line with the construction activities.• Arranging work scheduling with the planning team and Allocating work packages.• Ensuring the quality of manufactured pipework.• Working closely with Projects, Planning and Logistics to supply manufactured pipework.

- Communicating effectively via toolbox talks.
- Being knowledgeable of HSE management systems, specifically the processes and documentation, training and risk assessments and maintaining accurate records.
- Taking responsibility to regularly check works currently being undertaken to ensure the operative is working correctly and efficiently to maintain the program.
- Ensuring we operate within program budgets in order for projects to monitor the overall contract performance.
- Responsible for Piping erection operations and pipe support installation in accordance with schedule, Procedures, Specifications, Priorities and Availability of Construction Drawings.
- Hand over the system to the commissioning team in light of specifications and standards.

Dates : From Apr. 2017 till Oct. 2017

Employer : Power Generation, Engineering and Services Company (PGESCO)

Project : South Helwan Project, 3 units x 650MW Supercritical Project

Job title : Mechanical Construction Engineer

Job Description :

- Supervision for construction Activities (Boiler & BOP & steam Turbine & HVAC and water treatment).
- Responsible for achieving high quality during the construction phase.
- Fit the construction activities with the time schedule.
- Approving the agreed work in light of the technical specification, standard codes and industrial rules).
- Evaluate the contractor's performance.
- Responsible for supervision on erection, fabrication and installations for three supercritical boilers with it is BOP (Balance of plant).
- Responsible for All QA/QC activates including Pressure Tests, NDT, Documentations.
- Responsible for receiving All critical piping and Valves.
- Responsible for Supervision on piping fabrication and Mechanical Installation.
- Inspection the material in the manufacture work shop and attend all related tests and release the equipment for shipment.
- Responsible for HVAC systems included (Package units & chilled water system & VAV and duct works).

Dates : From Mar. 2016 till Mar. 2017

Employer : SEPCOIII Electrical in Joint venture with General Electric Co.

Project : Giza North 2250MW Combined Cycle Project

Job title : Mechanical Construction Engineer

Job Description :

- Responsible for all Erection activities of the turbine, Auxiliaries, Inlet and Exhaust air ducting. Which includes foundation checks, ducts installations and equipment alignment (including gas turbine to generator alignment).
- Provide support to inspect the materials and equipment delivered to site.
- Responsible for the planning of daily activities and supervision.
- Check level, axes and verticality of Turbines and generators foundation

anchor bolts and embedded parts.

- Responsible for installation and erection of all mechanical works and equipment such as Gas turbine, generator, generator rotor insertion, load coupling, skids...etc.
- Responsible for preliminary and final GT and generator alignment.
- Responsible for preliminary and final pumps alignment.
- Erections of air intake filter system with filter cartages and its steel structure.
- Exhaust diffuser installation and insulation.
- Install the Insulation of exhaust stainless diffuser.
- Responsible for Piping erection operations and pipe support installation in accordance with schedule, Procedures, Specifications, Priorities and Availability of Construction Drawings.
- Installation of turbine and exhaust enclosure.
- Installation of ventilation ducts.
- Check the quality level for installation work for sub-contractor.
- Make walk down with consultant for all systems and close punch list.

Dates	:	From Apr. 2011 till Mar. 2016
Employer	:	Cairo Electricity Production Company (CEPC)
Project	:	Giza North Project, 2250MW Combined Cycle
Job title	:	Mechanical Engineer
Job Description	:	<ul style="list-style-type: none">• Maintenance Duties (from Jan. 2014 till Mar. 2016):<ul style="list-style-type: none">- Lead Engineer for Combustion Inspection (CI) planned outage for Six Units (9FA):<ul style="list-style-type: none">❖ Prepare detailed work scope for each agreed Outage(s).❖ Prepare and check for spare parts list required for outage (Consumables and capital).❖ Responsible for quality control and FME implementation during outage.❖ Responsible for achieving planned outage schedule.❖ Responsible for packing all refurbishment parts and send to GE repair workshop.- Maintenance Engineer:<ul style="list-style-type: none">❖ Responsible Engineer for all HRSG maintenance included critical valves and piping.❖ Provide assessment on Spare parts storage and make necessary Spare parts orders.❖ Responsible for routine, preventive and corrective maintenance.❖ Identify and capture opportunities for improvement in equipment maintainability and reliability.❖ Adapt maintenance tools and procedures to improve equipment utilization and reliability and minimize service quality incidents.❖ Promote importance of data and service quality within maintenance community.❖ Support Maintenance Manager in planning for equipment and maintenance resources and correcting existing discrepancies.❖ Participate in technical audits and compliance assessments

and follows up on closure of remedial action plans.

- Mechanical Construction Engineer (Owner Engineer) (from Apr. 2011 till Jan. 2014):
 - Analysis of technical offers submitted by bidders.
 - Negotiation with the contractors before pre-award and place.
 - Sharing the consultant Engineering for reviewing DSR (Suppliers Documentation).
 - Inspect and Receive the required material (Material Receiving) for HRSGs Package & BOP & HVAC Package and Other miscellaneous mechanical installations.
 - Responsible for supervision on erection and fabrication installations and start-up and commissioning for six HRSG with it is BOP (Balance of plant).
 - Responsible for All QA/QC activates including Pressure Tests, NDT, Documentations.
 - Responsible for receiving All critical piping and Valves.
 - Responsible for Supervision on piping fabrication and Mechanical Installation.
 - Inspection the material in the manufacture work shop and attend all related tests and release the equipment for shipment.
 - Commissioning activities for heat recovery steam generator: supervision at the predispositions /restoration for the chemical cleaning & steam blowing and Performance Test.
 - Responsible for Water treatment system.
 - Supervision for HVAC installation and preparing punch list.

- Dates** : From Aug. 2010 till Apr. 2011
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Cairo North Power Plant, 1500MW Combined Cycle
- Job title** : Operation Engineer
- Job Description** :
- Work in conjunction with the Operations and Maintenance Supervisors and other shift personnel to ensure that safe working practices and conditions.
 - Work with the operations shift team to enforce safety rules and procedures by assuring safe work practices compliance on a daily shift-rotational basis.
 - Perform the necessary operating, regulating, and adjusting duties in maintaining proper control of Gas turbine and its auxiliaries.
 - Directly responsible for issuing Safe Work Permits, initiating Lock Out/Tag out clearances and isolations.
 - Operate locally based computer operating systems for some sub-units within the plant.
 - Perform functional tests and interlock testing as directed by the control room.
 - Coordinate and participate in the planning and conductance of on-shift preventative maintenance activities.
 - Ensure a smooth and accurate shift turnover through proper written and oral communication.
 - Participate as a Trainer in CI, HGP inspection (9FA):

- Combustion Inspection outage (CI).
- Hot gas Path Outage (HGP).

Dates : From Jul. 2009 till Aug. 2010

Employer : Argonaut for Mechanical works

Job title : Electro-mechanical Technical Office & Site Engineer

Job Description :

- Site Engineer, HVAC Equipment installation and Duct work fabrication and installation.
- Technical Office Engineer (Tendering projects & B.O.Q prepared & project specification review & studying the general conditions & time schedule and define the cost of direct material and indirect cost) for HVAC system, Fire Fighting and Plumbing.
- Carried out (pre-installation & invoices & constructions and shop drawings works for the Central Air Conditioning and ventilation, Firefighting and Plumbing working.

Field of experience :

- Leadership skills & drive to achieve business goals.
- Cost Savvy, Strive for simplification to complex problems.
- Thorough knowledge and vast site field experience of Construction & Installation of plants including Civil, Mechanical, Steel Structure, Fabrication, Welding, Electrical & Instrumentation works.
- Expertise in welding of dissimilar metals, WPS, PQR, Welder Performance, etc.
- Sound knowledge of Fabrication & Machine Shop.
- Drive best practices sharing Lesson Learned & Root Cause Analysis (RCA).
- Expertise in Non-Destructive Evaluation (NDE).
- Drive to implement the ASME, ASTM, API, AWS, Standards, and Codes & Specs.
- Highly effective communicator in presenting and interacting with others and senior leadership.
- Trained in Health & Safety Requirements.
- Good management skills.
- Team Work.
- Good organizational skills of the workforce.
- Problem solving and ability to manage critical situations, ability to share and discuss results and management of several activities in the same project.