

103994-MEC-18SY-E-2006
Senior Mechanical Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years hands-on experience working in commissioning at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/06/1984
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Egyptian Company for Natural Gas (GASCO).
- Middle Delta Electricity Production Company (MDEPC).
- Economic commission for drinking water and sanitation.
- Ghneim center to the kidneys and urinary tract.
- In addition to the period in which cars the "Armed Forces" where I worked in repair and maintenance of heavy equipments.

: AutoCAD at Scientific Computing Center, Mansoura University.
: Office Programs.
: English Courses (The Center for Language Research, University of Mansoura).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2019 till now
Employer : J&P AVAX – IRAQ

Project : BESMAYA Power Plant 1500MW PHASE 2
Job title : Senior Mechanical Commissioning Engineer

Dates : From Jan. 2019 till Sep. 2019
Employer : HICC - EGYPT
Project : Supercritical Power Plant 650MW
Job title : Senior Mechanical Commissioning Engineer

Dates : From Jun. 2018 till Jan. 2019
Employer : EMC – EGYPT
Project : Combined Cycle Power Plant 2100MW
Job title : Senior Mechanical Commissioning Engineer

Dates : From Aug. 2016 till Jun. 2018
Employer : HICC – EGYPT
Project : El-Burullus Combined Cycle Power Plant 4800MW
Job title : Mechanical Commissioning Engineer

Dates : From Feb. 2007 till Aug. 2016
Employer : MDEPC – EGYPT
Project : Talkha Combined Cycle Power Plant 750MW
Job title : Mechanical Commissioning Engineer

Field of experience :

- Verifying systems are installed per design. Confirming design operational feasibility. Recording as built engineering changes on drawings. Ensuring proper setup and testing of equipment as per supplier requirements. Adheres to safety and quality standards as applicable to duties and accountabilities. Supports continuous improvement efforts and the change management effects associated with the implementation of improvements. Individual contributor with no subordinates.
- I will be in charge of the management of site activities including planning, organizing, integrating and monitoring of resources such as labor, tools and technical assistants as required to complete the work scope according to contractual requirements. I have extensive experience in the Repair/Maintenance/Operation/Commissioning of Power Generation (gas/steam) turbines and associated auxiliary equipment.
- I can supervise work to achieve high quality results on time with zero safety incidents.
- I have ability to travel to customer sites and support customers with the installation, maintenance, commissioning and warranty work with industrial power generation rotating equipment, primarily Steam Turbines and Gas Turbines. In order to provide direction to others, I have technical competence in reading and interpreting mechanical flow and instrument diagrams, dial and laser alignment and thermal growth equipment. Executing the work under safety and environmental policies, behaving as an example for others and provide full and active commitment in the deployment of the EHS Policies and any additional project-specific written statement or procedure.

- Working as Mechanical Commissioning Engineer (Turbines - HRSG - BOP).
- Turbine systems - Examples of S. Turbine systems I test, commission, optimize, service and operate:
 - Gland steam system.
 - Steam seal system.
 - Lube oil and hydraulic system.
 - Turning gear and jacking oil system.
 - Generator seal oil system.
 - Generator H2 gas cooling (dryer-analyzer).
 - Exhaust hood spray system.
 - Turbine valves and safety devices testing.
 - Vacuum braking system.
 - Turbine regenerative extractions.
 - Drain system.
 - Turbine speed.
 - Thrust bearing position.
 - Turbine Valves (Main stop valve, HP live steam control valve, Intercept control and stop valves, LP control and stop valve, Power Assisted check valves).
 - Support steam turbine performance testing.
 - Support steam turbine reliability.
- Power Plants HRSG:
 - HRSG chemical cleaning.
 - HRSG steam blow.
 - HRSG preservation.
 - HRSG filling and draining.
- Power Plants BOP - Examples of Power Plants BOP equipment and systems I test, commission, optimize, service and operate:
 - Main condensate system including Hot Well, LP Feed Water heater.
 - Air cooled condenser system.
 - Main feed water system including, FW pumps, HP FW heaters.
 - Circulation preheating pumps.
 - Closed cooling system.
 - De-mineralized water distribution system.
 - Instrument and service air system.
 - Service water and gas system.
 - Drainage and Waste Water collection system sump pumps.
 - Conduct pumps performance testing.
 - Chemical injection system.
 - Chemical cleaning of Main Condensate and Feed Water Systems.
 - All electrical and control works related to above systems.
 - All electrical, control and safety works related to Turbine.
- Performing commissioning activities within the assigned mechanical systems ensuring safe, reliable operation of equipment and functionality as specified and technically necessary whilst ensuring compliance with EHS requirements.
- Providing clarification of interfaces and coordination of activities affecting

other areas or systems with responsible commissioning engineers, construction team and sub-contractors.

- Reporting disagreements or non-conformance to commissioning management.
- Compliance with the existing commissioning time schedule and regular reporting on activities conducted within the scope of commissioning mechanical systems.
- Working towards completion of commissioning documents and preparation of the associated commissioning documentation package.
- Demonstrate essential functionalities and protection devices to the relevant authorities, depending on contractual requirements and rules and regulations.
- Conducting training on the job for Employer's operating personnel What I need to make real what matters.
- Responsible for providing high standard mechanical service and maintenance to the client according to O&M agreement.
- Timely response on any mechanical plant problems.
- Support in organizing and monitoring of project organization.
- Leading the mechanical commissioning team.
- Prepare and release mechanical commissioning procedures for the power plant equipment.
- Ensuring success in terms of economic results and customer satisfaction.
- Develop commissioning procedures and ensure implementation.
- Carry out inspections of the equipment to identify and resolve issues.
- Check electrical, hydraulic, mechanical, pneumatic systems of the equipment to ensure functionality.
- Plan and oversee all repair and installation activities.
- Allocate workload and supervise commissioning staff.
- Monitor equipment inventory and place orders when necessary.
- Monitor expenses and control the budget for commissioning.
- Manage relationships with contractors and service providers.
- Keep commissioning logs and report on daily activities.
- Ensure health and safety policies are complied with strong experience with repair, service, and troubleshooting mechanical systems.
- Proven leadership skills to lead commissioning department.
- Experience with the development and implementation of preventative programs.
- Perform on-site installation of systems and equipment and ongoing commissioning, preventive maintenance, repair and calibration after installation.
- Respond to requests for emergency repairs and services to troublesome equipment.
- Provide technical instruction and assistance to customer representatives regarding installation, commissioning, operation, calibration, repair and maintenance at customer's sites.
- Perform administrative functions such as: writing technical reports, ordering materials, securing quotations, preparing job status reports, reports to customers, time sheet and expense sheets on a complete timely, and thorough basis.
- Sign off on all changes implemented.
- Drive customer satisfaction through commitment to quality.

- Maintain strong safety mindset to assure the executed work reflects the technical requirements within GE & SIEMENS safety standards.
- Knowledge to troubleshoot and provide routine maintenance checkout for wide range of equipment vintage
- Assist in the development of start-up packages as required.
- Track and control all documentation required for proper maintenance of the start-up packages. Participate in the preparation and maintenance of a detailed start-up schedule. Proactively plan for start-up activities and major milestones (such as major equipment, chemical cleaning, steam blow, or demonstration and performance testing). Manage construction completion, turnover to start-up, start-up turnover to operations, and final turnover to the client. Assist in the development of clear start-up procedures as required to satisfy the contract and coordinate the start-up effort. Assist in the advanced planning and preparation for start-up activities and major milestones. Participate in the development and implementation of programs for the control of; spares, consumables, outstanding work and deficiencies lists. Execute the start-up effort ensuring compliance with the associated specifications and contracts and ultimately resulting in an efficient and timely turnover to the client. Complete thorough system walk downs/reviews to establish the completion status of systems and identify outstanding items to be completed. Responsible lead for plant equipment and systems within discipline capacity.
- Prepare timely and accurate technical reports for customer records and a reference for future outages.
- Ensure all parts needed for the job are shipped to the site.
- Perform walk-downs during installation to ensure that the customer's contractors are working properly.
- Perform aftermarket upgrades that need to be performed at the site level.
- Perform other duties as assigned.
- Characteristics:
 - I have the knowledge and skill to actively support an outage and be aware of where to seek answers to questions as they arise. Have experienced successful installations and outages.
 - Experience and training on GE, Siemens and other OEM equipment.
 - Extensive Field Engineering Services experience.
 - Pipe fitting and tubing experience.
 - Previous experience working on GE & SIEMENS equipment.
 - Fluent in English language.
 - Very good organizational skills.
 - Prior project management experience.
 - Very good project management skills.
 - Very good oral and written communication skills.
 - Very good interpersonal and leadership skills.
 - Very good business acumen and ability to sell GE & SIEMENS products to the customers.
 - I am willing to travel and work abroad (worldwide).
 - Able to work within multicultural and interdisciplinary teams.
 - I can read and apply Project Instructions Manual, contract

documents, and start-up guidelines. Division Policies. Supervisory Skills. Communications Skills. Planning Skills. Multi-tasking Skills. Problem Solving Skills. Computer Skills. Knowledge of discipline technical principles related to power plants. Knowledge of tools, equipment, and instruments used in performance of job duties. Knowledge of internal engineering systems and tools.