

102641-MEC-1CMOQSYq-E-2008
Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has over 11 years hands-on experience working in construction, maintenance, commissioning and QC at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/12/1985
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2008

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access), Internet
: AutoCAD (2D & 3D)
: Automation Studio (Hydraulic Circuits)
: Microsoft Visio
: Matlab
: Primavera P6 Professional Project Management

TRAINING COURSES AND CERTIFICATIONS

: Power Boiler Maintenance training with AC Boilers, Italy.
: Management and maintenance training about combined cycle Power Plant (2+1), 1200MW including (Gas turbine and its auxiliaries, Steam Turbine and its auxiliaries, Generators and HRSG), basic and maintenance training with SIEMENS AG.
: Project Management Professional Training course (PMP training), PMI (Jan. 2019).
: Primavera P6 Professional Project Management course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2019 till now
Employer : SIEMENS ENERGY
Project : Burullus CCPP (4800MW)
Job title : Senior Mechanical Maintenance Engineer
Job Description :

- Organized and directed maintenance shutdowns and start-ups.
- Managed daily activities of maintenance staff by preparing, scheduling and distribute tasks among employees.
- Planning and review of maintenance activities.
- Built up plant inventory system.
- Handling various software systems and many maintenance history data, very conscious regarding Plant Management System (BFS) data quality.
- Sourced and procured components using BFS, adhering to all company purchasing rules.
- Managed equipment data storage and maintain high levels of standards and accuracy.
- Attend various meetings.
- Perform root cause analysis and resolve problems.
- Support complicity with Health & Safety regulations, the Company Handbook, quality and environmental standards.
- Support of Setup of APM in the EMD (Egypt Mega Deal) projects.
- Developed work scope for contracted projects, analyzing received quotes and recommending preferred vendors.
- Conducted cost estimates and performed preventive maintenance for all plant critical equipment.
- Completed partial or full dismantling of equipment to quickly repair or replace defective components and restore functionality.
- Developed process improvements to increase reliability and equipment performance.
- Reviewed technical documentation to complete equipment maintenance and repair.
- Worked frequently with GT and ST systems to complete knowledgeable inspections and skilled repairs.
- Investigated and corrected mechanical problems with machinery such as GT, ST and other auxiliaries.
- Improved processes, helping to save department over \$500000 annually.
- Diagnosed and resolved machine operation variations and equipment problems, including GTs, STs and auxiliaries.
- Assessed operating conditions and adjusted settings to maximize performance and equipment longevity.
- Performed troubleshooting and repair for complex mechanical equipment, including GT, ST, Pumps and HRSGs.

Dates : From Apr. 2017 till Dec. 2018
Employer : Egyptian Electricity Holding Company (EEHC)
Project : BURULLUS COMBINED CYCLE POWER PLANT (4800MW)
Job title : Project Engineer

Job Description :

- Performed constructability reviews encompassing independent, structured assessment of construction bid documents.
- Evaluated change order requests in response to out-of-scope work activities and developing field conditions.
- Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
- Reviewed progress controls for project quality assurance, health and safety.
- Made recommendations to improve design, construction means and methods and materials based on field or changing conditions.
- Assessed qualifications and experience of contractors and prepared RFP packages.
- Monitored installation of materials and equipment for compliance with drawings and specifications.
- Communicated with industrial equipment installers to deliver technical support throughout project execution.
- Assessed scope and requirements to make accurate project design determinations for Mega power plants projects.
- Prepared for commissioning of GT, ST and BOP equipment and systems.
- Supported leaders throughout decision-making and launch by providing regular compliance reports to drive process improvement and corrective measures.
- Liaised with company executives and project managers to acquire resources to move projects forward.
- Maintained records of cost and quantity information for each project and engineering discipline.
- Reviewed contractor proposals and sets of drawings prepared by contractor's firms to identify missing information, generate questions and align budgets.

Dates : From Oct. 2016 till Apr. 2017

Employer : SIEMENS

Job Description : MANAGEMENT AND MAINTENANCE TRAINING OF COMBINED CYCLE POWER:

- Training for maintenance management engineers with SIEMENS AG regarding Siemens Mega projects in Egypt (3x4800MW).
- Management and maintenance training of combined cycle Power Plant (2+1), 1200MW, including (Gas turbine (8000 H) and its auxiliaries, Steam Turbine and its auxiliaries, Generators and HRSG) basic and maintenance training with SIEMENS AG.

Dates : From Jun. 2013 till Oct. 2016

Employer : West Delta Electricity Production Company (WDEPC)

Project : Abu Qir New Power Plant (2x650MW)

Job title : Mechanical Maintenance Engineer

Job Description :

- Developed and coordinated effective predictive, preventive and corrective maintenance approaches.
- Coordinated installation of systems, machinery and components.
- Frequently diagnosed mechanical problems and determined how to

correct issues.

- Performed troubleshooting, diagnosis and repair of mechanical equipment.
- Created spare parts lists for various equipment.
- Reviewed the power plant recommended spare part lists.
- Negotiating for spare parts with main contractors results in saving 5000000 EUR (5 Million EUR).
- Oversaw team of 15 employees, conducting regular performance evaluations and providing opportunities for professional growth.
- Created maintenance schedule for team of 15 to cover regular service needs and emergency requests.
- Created weekly reports of maintenance activity to share with management for operational analysis.
- Organized and directed maintenance shutdowns and start-ups.
- Conducted yearly cost estimates for mechanical maintenance department.

Dates	:	From Jan. 2010 till Jun. 2013
Employer	:	West Delta Electricity Production Company (WDEPC)
Project	:	Abu Qir New Power Plant (2x650MW)
Job title	:	Mechanical Commissioning Engineer
Job Description	:	<ul style="list-style-type: none">• Reviewed proposed work orders to confirm jobs followed scope of services and budget.• Logged device failures caused by unexpected reactions during testing.• Provided device testing, including writing testing, monitoring progress, and recording defects.• Running support tests, make adjustments and perform mechanical repairs.• Verified resolution of differences in actual versus expected results and addressed development adjustments to plans.• Developed organizational processes, job results and accurate forecasts necessary to reach projected milestones.• Coordinated with technical liaisons and construction team members to address technical issues for meeting project requirements.• Surveyed potential project sites before design, checking for space restrictions, mechanical feasibility and manufacturers guidelines.• Applied technical troubleshooting ability to create quality ST and Boiler control solutions.• Specified system components and directed product modifications to comply with engineering design and performance specifications.• Incorporated solutions that met various project challenges and adhered to environmental, packaging and vibration requirements.• Performed pre-construction, quality and safety management, as well as constructability review, start-up and commissioning.• Interpreted blueprints, technical drawings, schematics and computer-generated reports for new product development.• Examined existing documents and blueprints to best update and maintain project records, resulting in efficient project delivery.• Applied mechanical problem-solving skills to develop creative solutions for quality products.• Troubleshoot and diagnosed mechanical equipment issues, quickly

made plans for repairs and monitored use to rectify issues.

- Designed budgets and cost estimates for projects with speed and accuracy while working closely with clients, drafters and employees to determine best courses of action.
- Reviewed designs and counseled clients on courses of action to remedy issues while staying under-budget and sticking to timelines.
- Delegated tasks to entry-level engineers, closely monitoring work to monitor quality, maintain speed and exceed daily project goals.

- Field of experience :**
- Maintenance team member bringing 10+ years of experience performing diverse maintenance and repair duties.
 - Dedicated to maintaining optimal equipment functionality by managing routine and complex equipment and facility matters.
 - Strong knowledge of hand and power tool operation and safety measures.
 - Expert in Mechanical Commissioning, Maintenance and Type engineering with proven history of planning innovative projects from start to finish.
 - Known for great attention to details and solutions-oriented problem-solving.
 - Known for great attention to details and solutions-oriented problem-solving.
 - Excellent project management abilities demonstrated by career history of on-schedule and on-budget completed projects.
 - Particular experience in power plants projects.
 - PMP Certified.
 - Skills:
 - Project controls.
 - Quality control.
 - Field engineering.
 - Pre-commissioning activities.
 - GT, ST and mechanical equipment commissioning.
 - Employees management.
 - Leadership.
 - Preventive & Predictive Maintenance.
 - Root Cause Analysis.
 - Scheduling.
 - Primavera P6 Professional Project Management.
 - Technical troubleshooting.
 - Budgeting.
 - Data management.
 - SAP software proficiency.