

105555-MEC-56CDGMOB-E-1985
Senior Mechanical Engineering Specialist

Holds a B. Sc. in Mechanical Engineering and MBA. Has over 33 years experience in Project Execution in Engineering / Procurement / Expediting / Construction activities / Operation and maintenance several type of power plant (thermal, combined and simple cycle power station and cement factory).

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : El-Rehab, New Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Suez Canal University, 1985
: MBA Certified (Master of Business Admiration) from the International Business School of Scandinavia (ID: EG.MBA.2015.01.08).

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: ES & H Management Training (Bechtel Company).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2016 till now
Employer : POWER GENERATION ENGINEERING COMPANY (PGESCO)
Job title : Senior Mechanical Engineering Specialist
Job Description :

- Develop and review specifications, including design criteria.
- Participate in activities associated with equipment and material procurement, permitting, and subcontracting.
- Perform and check calculations, specify equipment, and solve moderately complex engineering problems.
- Review vendor equipment documentation within the discipline and from other disciplines for compliance with project requirements, and actively seek discrepancy resolution.

- Develop & prepare system design, technical write up & data sheets to meet the customer specifications and applicable standards.
- Analyze and make independent recommendations regarding solutions to problems with varying complexity in accordance with organization and/or project objectives and guidelines.
- Prepare design and drafting procedures and standards.
- Participate in selection of automation tools for design.
- Ensure resources are available for all mechanical engineering activities.
- Conduct Mechanical Construction Conformity Audit for Al-Shabab and West Damietta combined cycle projects and South Helwan supercritical power project.
- Verify Construction team is implementing the issued design and its update.
- Ensure the completeness of engineering designs for the ongoing construction activities.
- Ensure Integration of engineering disciplines for the subject construction activities.
- Develop, implement, and monitor training programs within an organization.
- Supervise technical training for staff.
- Create brochures and training materials.
- Other duties as assigned.

Dates	:	From Apr. 2012 till Jun. 2016
Employer	:	Power Generation Engineering Company (PGESCO)
Job title	:	Senior Mechanical Engineering Group Supervisor
Job Description	:	<ul style="list-style-type: none"> • Engineering of Giza North Combined Cycle Power Project 3x750MW. • Plan, develop, coordinate and review engineering work within a discipline. • Supervise the day-to-day technical work of discipline engineers, specialists, designers and drafters. • Communicate technical issues and recommends solutions to upper management. • Facilities technical discussions with third parties (client, suppliers, regulators). • Participate in a variety of meetings and task force groups to integrate activities, communicate issues, obtain approval, resolve problems and maintain specified level of knowledge. • Prepare or oversee the preparation of discipline estimates and work plan in accordance with project scope, schedule, and manages implementation and performance accordingly. • Coordinate with client representatives as delegated to obtain approval on phases of work. • Review and approve key engineering drawings and calculations and bid summaries. • Coordinate assigned engineering work with other project disciplines. • Mentor engineers, designers and drafters by providing appropriate on-the-job training for their professional development. • Estimate staffing needs and schedule and assigns work to meet schedule dates.

- Provide support to field construction and commissioning activities.
- Coordinate with construction personnel to resolve RFIs, NCRs and FCRs.
- Contributing expertise as required in other projects.
- Ensure specialist review of design to ensure compliance with corporate standards.
- Coordinate design and engineering activities with other engineering disciplines.
- Review contractors claims related to mechanical works.

Dates : From Jan. 2007 till Apr. 2012

Employer : Power Generation Engineering Company (PGESCO)

Job title : Mechanical Engineering Group Supervisor

Job Description :

- Complete Engineering of El-Kureimat II & III Combined Cycle Power Plant Projects, 750MW each. And EL-SHABSAB & DAMIETTA simple cycle with total capacity 1500MW.
- Plan, develop, coordinate and review engineering work within a discipline.
- Preparation of tender documents and review / evaluate bids.
- Supervise the day-to-day technical work of discipline engineers, specialists, designers and drafters.
- Communicate technical issues and recommends solutions to upper management.
- Facilities technical discussions with third parties (client, suppliers, regulators).
- Prepare or oversee the preparation of discipline estimates and work plan in accordance with project scope, schedule and budget, and manages implementation and performance accordingly.
- Coordinate with client representatives as delegated to obtain approval on phases of work.
- Review and approve key engineering drawings and calculations and bid summaries.
- Coordinate assigned engineering work with other project disciplines.
- Estimate staffing needs and schedule and assigns work to meet schedule dates.

Dates : From Sep. 2005 till Sep. 2006

Employer : Al Toukhi Company for Industry, Trading & Contracting

Project : Rafha Generation Expansion Project (KSA), consisting of 2x30MW Gas Turbines with associated systems, 2 nos. of GSU Transformers, 3 nos. of Inter Bus Transformers, 4 nos. of Station & Aux. Transformers, 33KV Swgr., 4.16KV Swgr., 480V Swgr., 2 nos. of DFO Tanks with fuel unloading & forwarding skids, HVAC, Fire Fighting, Fire Alarm systems and Civil works

Job title : Site Manager

Job Description :

- Establish construction schedules and implementation of the same.
- Arranging & attending meetings with client and suppliers to solve the problems faced in site construction activities.
- Attending weekly & monthly site progress review meetings with client (SEC-EOA) to review the site progress.
- Correspondence and coordination with suppliers to carry out the job

according to site requirements.

- Supervision of all site activities i.e. erection, testing & commissioning including civil activities.
- Arranging work inspections with client and comply the comments raised by client.
- Coordination with suppliers to supply the construction material on time to site.
- Ensure implementation of all safety rules & regulations at work site.
- Find out the solution for the technical problems encountered during erection, testing, commissioning and synchronization of G.T. Units.
- Execution of all site activities according to appropriate procedures.

Dates : From Feb. 2005 till Aug. 2005
Employer : Al Toukhi Company for Industry, Trading & Contracting
Project : Air Inlet Cooling System Project for 10 GAS Turbines GE Type 7001EA, in Power Plant #8 (KSA)
Job title : Acting Site Manager
Job Description :

- Establish procedures for development maintenance of construction schedules interpret all plans and specification of contracts and ensure overall quality of the projects.
- Ensure all warranty work and punch list items are completed.
- Manage project completion including final inspection reliability performance testing, site cleanup, operator training and turnover.
- Maintain appropriate safety standard at site.
- Monitor progress and supervise construction subcontractor to maintain project schedule.

Dates : From Jan. 2004 till Feb. 2005
Employer : Al Toukhi Company for Industry, Trading & Contracting
Project : Air Inlet Cooling System Project for 10 GAS Turbines GE Type 7001EA, in Power Plant #8 (KSA)
Job title : Construction Manager
Job Description :

- Execution and supervision of all mechanical aspect, commencing from delivery of material and equipment till completion of projects.
- Implement policies and procedures for compliance to all quality assurance, regulatory and technical requirements.
- Interest with design architects and engineers to implement design and structural modifications.
- Interface with client to provide for appropriate inspections and permits.

Dates : From Jul. 2001 till Apr. 2003
Employer : Electricite de France - Egyptian Engineering Company
Project : Suez Gulf Power Plant in BOOT Project 2x341MW, Ain El Sokhna Site
Job title : Senior Mechanical Engineer
Job Description :

- Investigating the various fields of mechanical activities specially the plant major equipments to assure the consistence with the relevant installation procedures and specifications, along with tracking and reporting the changes on the Plant overall schedule.
- Erection completion checks including adjusting, alignment and witness

the different field of investigations including pumps (Boiler Feed Pumps, Condensate Pumps, Circulating Water Pump and different various pumps) and HVAC (Chilled Water System).

- Handing all contract paper works and correspondence such as (letter, reports, schedule, forms (DCN, RFI, FCN, MRR. MTR, ...).
- Conducting the necessary coordination between the Contractors and the Client for systems testing, commissioning and handing over.
- Performing the necessary coordination between the different Contractors at the areas of interfaces.
- Preparing and following up the rectification and closing the punch list after the issuance of the Construction Completion Certificate (CCC).

Dates : From Mar. 1998 till Jan. 2001
Employer : PGESCO
Project : Ayoun Moussa Thermal Power Plant 2x320MW
Job title : Senior Mechanical Engineer
Job Description :

- Coordinating the installation, testing and commissioning of the Plant Mechanical Contracts.
- Conducting and managing all the progress review meetings with contractors, engineering & Client (weekly progress meeting, engineering meeting).
- Follow up the Contractors schedules verses contract milestones.
- Expedite, coordinate and provide resolution on engineering related activities with Cairo Engineering.
- Provide technical support to PGESCO and EEA's engineers and to the Start-up and operation team.
- Handing all contract paper works and correspondence such as (letter, reports, schedule, forms (DCN, RFI, FCN, MRR. MTR, ...).
- Conducting the necessary coordination between the Contractors and the Client for systems testing, commissioning and handing over.
- Performing the necessary coordination between the different Contractors at the areas of interfaces.
- Reviewing the Contractor's reports such as manpower, equipment, weekly progress & material status.
- Auditing/surveillance activities on the Contractor's work to ensure quality of the work and that work meet the contract specification.
- Implementation of safety procedures for all Contractors.
- Preparing and following up the rectification and closing the punch list after the issuance of the Construction Completion Certificate (CCC).

Dates : From Mar. 1995 till Jun. 1997
Employer : Raytheon Engineers & Constructors
Project : El-Kureimat Thermal Power Station 2x600MW
Job title : Senior Quality Assurance Engineer
Job Description : Supervising the Contractors to ensure schedule and quality compliance for all mechanical equipment and piping installation in accordance with standard codes and manufactures specifications.

Dates : From Sep. 1994 till Feb. 1995
Employer : NEM
Project : Damanhour Combined Cycle Power Plant
Job title : Mechanical Supervisor
Job Description :

- Responsible for planning and supervising the fabrication, installation, and modification and testing of large and small bore piping systems including the associated pipe supports.
- Erecting mechanical equipment for boiler feed pumps, high and low pressure circulating pumps, ducting, expansion joints, insulation, painting in accordance with drawings and specification requirements.
- Supervising and providing mechanical craft support during the checkout, start-up, initial operation, and maintenance and construction completion phases of projects.

Dates : From May 1993 till Sep. 1994
Employer : ABB SUSA / T & B Joint Venture
Project : Cairo South Combined Cycle Power Plant, Helwan
Job title : Mechanical Supervisor
Job Description :

- Responsible for supervising erection of the GE MS-9000 gas turbine checking, measured clearances and alignments in accordance to drawings and specification requirements.
- Erecting of mechanical equipment such as 2 large vertical circulating water pump and smaller vertical service and cooling water pump, 2 traveling screens and one traveling trash rack.
- Assigned to the start-up group through start-up activities such as flushing lines, treatment system start-up, steam blow operation and chemical cleaning.

Dates : From Sep. 1992 till May 1993
Employer : Kobe Steel Limited
Project : Beni Suef Cement Project
Job title : Piping Engineer
Job Description :

- Responsible for supervising the fabrication, installation, modification and testing of the mechanical/piping and support works on Site.
- Assisting in progress evaluation for piping works.

Dates : From Apr. 1988 till Sep. 1992
Employer : Egyptian Electricity Authority
Project : 6x25MW General Electric Gas Turbine Hurghada & Sharm El-Sheikh – Egypt
Job title : Mechanical Supervisor
Job Description :

- Responsible for supervising the major overhaul and upgrade checking, measured clearance alignments in accordance with the drawings and specification requirements.
- Monitoring the performed test.

Dates : From Sep. 1985 till Apr. 1987
Employer : General Electric Company
Project : Abu Sultan Steam Power Plant, Ismailia
Job title : Piping Engineer
Job Description :

- Responsible for reading and interpreting of piping drawings.
- Monitoring of the piping installation works with their associated hangers in the field.