

# 103444-MEC-15MOS-E-2001

## Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 20 years' experience, including 14 years working in maintenance, operation, commissioning and start-up at Power Plants.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/03/1980  
Gender : Male  
Marital Status : Married  
Residence : El-Minia

### EDUCATION

: B. Sc. in Mechanical Power Engineering, El-Minia University, 2001

### LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Fair

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: Photo editor  
: Visual Basic  
: AutoCAD (auto lisp)

### TRAINING COURSES AND CERTIFICATIONS

: Training courses for steam turbine generator operation 270MW steam turbine DKYZZ3-2N41C as performed by ALSTOM Steam Turbine Training Center Mannheim/Germany in UEEPC Training Center El-Kureimat.  
: Training courses for DCS (distributed control system) boilers as performed by MADKOR Training Center in UEEPC Training Center El-Kureimat.  
: Training courses for BOP (balance of plant) as performed by Cimimontubi Training Center in UEEPC Training Center El-Kureimat.  
: Training for (T3000 control Siemens Company) in North Cairo Power Station for 3 months.  
: Training for (T3000 control), simulator, operations, generator and commissioning CCPP in Berlin, Erlangen and Muehlheim in Germany for 3 months.

- : Training in Middle East Courier Services Company (from Feb. till Apr. 2002) in maintenance department.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2018 till now
- Employer** : Siemens Energy
- Project** : Beni Suef CCPP 4800MW
- Job title** : Senior Mechanical Maintenance Engineer
- Job Description** :
- Perform troubleshooting, RCA for faults, corrective, preventative, scheduled and emergency maintenance activities plus Participate in developing work planes for GTs, STs, HRSGs and water treatment equipment.
  - Assist in developing technical & design criteria, process, and instrumentation diagrams (P&IDs), and Design Review for the contractor submittals according to the contract and relevant.
  - Application of ASME, ASTM, ANSI, and Standards.
  - Rotating and Stationary Equipment, pressure parts, modules, fans, pressurizing, atmospheric vessels.
  - Valves design and selection review according to stander code.
  - Reporting to the Project Residence Engineer.
  - Systems, flushing, hydrostatic and pneumatic tests, safety valves set pressure, and Spare parts review and receiving.
  - Lead and train mechanical Maintenance Technicians to ensure a high level of efficiency within the team and Led effort to prioritize projects with the engineering team.
  - Collaborate with engineers, purchasers, and other staff members involved in the production processes including reviewing instrumentation and control-related documents to mechanical, electrical, and process equipment technical specifications and vendor drawings of equipment and prepare comments and recommendations.
  - Understanding and ensuring compliance with relevant health and safety regulations and quality standards.
  - Managed the development of accurate accounting of all engineering hours required for various projects, increasing accuracy.

- Dates** : From Jul. 2017 till Oct. 2018
- Employer** : UEEPC
- Project** : Beni Suef CCPP 4800MW
- Job title** : Senior Mechanical Maintenance Engineer
- Job Description** :
- Representing the owner to perform auditing, walk down and function tests for receiving the project from the EPC Contractor.
  - Attending meetings and reviewing reports on installations work and schedules.
  - Participate in all maintenance activities with the support of EPC Contractor.
  - Analyzing, interpreting data and providing technical support.
  - Working collaboratively with design engineers, operation engineers and other internal staff.
  - Responding immediately to equipment breakdowns.

- Fixing faults or arranging for replacements to be installed.

**Dates** : From Dec. 2008 till Jul. 2017  
**Employer** : Upper Egypt Electricity Production Company  
**Project** : El-Kureimat Power Station  
**Job Description** :
 

- Operation Shift Leader Engineer (from Oct. 2014 till Jul. 2017):
  - Preventive, corrective, and scheduled maintenance activities.
  - Trouble shooting and RCA of the problems.
  - Field supervision over the execution and participate the preparation of maintenance programs.
  - Prepare specifications, evaluate, inspect and receipt of spare parts.
  - Check and calibrate water analysis and polishing units' equipment's.
  - Followed up on manufacturing and field reports and resolved outstanding problems.
- Control Room Shift Operation Engineer (from Dec. 2008 till Oct. 2014):
  - Operated and maintain GT Turbine 9FA GE & Boiler of unit 3, 4.
  - Performed Turbine & Boiler cold & hot start-up as well as shutdown.
  - Follow-up units in the case of normal operation and rapid intervention in emergency situations.
  - Maintain the stability of the units on the National Network.
  - As required connect & disconnect electric circuits.
  - Maintained adequate water storage tank levels and pressures to meet water demand.
  - Commissioning and Start-up of GE Gas turbine mark VI control (MS 9001 FA).
  - Commissioning and Start-up of ALSTOM Steam Turbine (P320 TGC).
  - Commissioning and Start-up of CMI HRSG.
  - Cooperation with the maintenance department to identify and troubleshoot plant equipment, and perform mechanical, electrical, and instrument maintenance as required.
  - Oversaw each treatment unit process in the plant.

**Dates** : From Jul. 2015 till Sep. 2015  
**Employer** : [EGYPTROL](http://www.egyptrol.com)  
**Project** : Gerga Site  
**Job Description** : Working as Operation, Start-up and Commissioning Engineer frame (TM2500) 2x25MW.

**Dates** : From Oct. 2006 till Dec. 2008  
**Employer** : American-Egyptian Steel Rolling Company (Beshoy Steel)  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :
 

- Perform troubleshooting, RCA for faults, corrective, preventative, scheduled and emergency maintenance activities plus Participate in developing work plans.
- Follow-up units in the case of normal operation and rapid intervention in emergency situations.
- Maintained the diesel generator, rolling, and hydraulic equipment.

- Formulated scope of work for each project, including budgetary numbers and goal of each project, achieving a 100% goal attainment within budget.

**Dates** : From Oct. 2004 till Sep. 2006  
**Employer** : Orascom Construction Industries  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :
 

- Delivered documentation giving critical analysis and suggestions for correcting errors with an adoption of recommendations.
- Built program to track process deficiencies and developed solutions to improve, reducing process deficiencies.
- Performed initial and ongoing design reviews of projects for the team, with an acceptance rate by leadership.
- Maintained and operated, the crusher, the diesel generator, and HVAC.

**Dates** : From Jun. 2003 till Sep. 2004  
**Employer** : Armed Forces  
**Project** : Military Service  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :
 

- Operated paint station after training and trained other crew members, increasing paint sales.
- Implemented a new in-store promotion for home blinds, increasing traffic to the blinds department.
- Managed all transactions, cash, debit, credit, and store credit card, reconciling drawer with accuracy.
- Maintained and operated the diesel generator, and HVAC.

**Field of experience** :
 

- About 20 years of experience in maintain pumps, valves, Pipeline structure, tanks, boiler design, water network and wastewater combined (Siemens Mega projects) power plants & water treatment plants with an intensive training in Germany.
- Plant Shift Leader with 4 years of experience accomplished in supervising daily power plant operations, including generators, steam turbines, boilers, fuel storage and supply systems, electrical switch gears, monitoring and adjusting central plant equipment and controls and chilled water generating and distributing equipment.
- Equipment's (turbine boiler HRSG) CCGT.
- Troubleshoot OPERATION combined cycle power plants.