

# 102600-MEC-1CMOS-E-2002

## Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience working in maintenance, construction, operation, commissioning and start-up.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/01/1979  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

### EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2002

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

### TRAINING COURSES AND CERTIFICATIONS

: Operation of combined cycle, West Delta Electrical Production Company, Abu Qir.  
: Training course for maintenance of MITSUBSHI, Egypt (Jul. 2006).  
: Component & Operation of combined cycle, Middle Delta Electrical Production Company, Nubaria Power Station.  
: Basic (operation / maintenance) training (GAS TURBINE frame 9FA), Belfort – France (2009).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2012 till now  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Nubaria Combined Cycle Power Plant (Module III (1x750MW)):  
The module contain two 9FA CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM

**Job title** : Mechanical Maintenance Engineer (Module 3)  
**Job Description** :

- Follow up all plant Turbines (Gas & Steam) maintenance activities on (Daily, weekly, monthly & annually) basis.
- Supervising & Scheduling Mechanical Maintenance for Turbine Auxiliaries & BOP (preventive & predictive maintenance, troubleshooting & overhauling).
- Maintaining daily Maintenance report.
- Attend weekly troubleshooting meetings.
- Preparation of spare part lists (Capitals & Consumables) and tools required for overhaul maintenance and inspection.
- Supervise all activities for Combustion inspections and hot gas path for gas turbines and give technical advices for my crew till reoperation.
- Coordinate with other departments for common maintenance activities (I&C, Electrical... etc.) and take the remedy actions.
- Follow up store management for all remaining parts from construction period.
- Responsible of EMPAC Program, that can collect all information about the equipment of the units and prepare Preventive Maintenance and spare parts of item inventory and load the date to the computer.
- Supervise all activities for steam turbine auxiliaries and BOP yearly inspection till reoperation.

**Dates** : From Jul. 2010 till 2012

**Employer** : GE

**Projects** : Elsubyaa Power Station 6x250MW GE (frame 9fE) in Kuwait

**Job title** : Commissioning & Start-up Engineer

**Job Description** :

- Lead Mechanical Commissioning Engineer; supervise all Start-up activities (gas turbine, HVAC & Overhead cranes).
- Testing and commissioning till operation.
- Give technical support for the construction team from time to time to meet the contract specifications and requirement.
- Coordinate all Start-up activities with other disciplines i.e. Electrical, I&C.
- Monitor and attend all Types of NDT's and Hydro tests and all Pumps and Motors alignments and all pipes systems Air blow-off and flushing.
- Coordinate with client and Vendor technical advisor for all GT testing tasks.
- Support client in Routine & Preventive Maintenance for all Mechanical system during reliability of the units and Warranty period.
- Support Warranty engineer in all claims related to mechanical systems.
- Prepare daily and weekly reports for all mechanical Start-up activities.

**Dates** : From 2005 till 2010

**Employer** : West Delta Electricity Production Company

**Project** : Nubaria 750MW Combined Cycle Power Plant

**Job title** : Mechanical Construction Engineer (Modules 1, 2 and 3)

**Job Description** :

- Review and evaluate bid proposals for the mechanical Subcontractors and give technical solutions and corrective action in order to quality and cost efficiency of the maintenance activities. Spare parts, manpower, technical data support.

- Follow up all site mechanical construction activities for the contracts.
- Reviewing and revise all submittals with the contracts.
- Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
- Monitor and attend all Types of NDT's (Non Destructive Tests) & Hydrostatic Tests.
- Monitor and attend shaft alignment for CTG & STG Rotors.
- Calibration of all steam turbines control valves with main contractor.
- Review and approve MRR's (Material Receiving Reports).
- Review and approve contractors' progress invoices.
- Coordinate all mechanical activities (Mechanical Equipment and piping installation) with other disciplines i.e. Civil, Electrical.
- Review and check As-Built drawings.

**Dates** : From 2003 till 2005

**Employer** : DSD Ferrmetalico – Subcontractor of Siemens Co.

**Job title** : Construction Engineer for Gas Turbine & Boiler

**Job Description** :

- Maintenance schedules planning (daily, weekly, monthly, annual, major, etc.).
- Define and review the commissioning spare parts & consumables.
- Prepare and modify commissioning, operation and maintenance procedures.
- Breakdown maintenance.
- Very aware all most standards (ASTM, ASME.API, ISO, AWWA.ANSI, NFPI, AWS).