

**101139-MEC-CS-E-2003**  
**Construction & Commissioning Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience, including 7 years working in construction and commissioning of Combined Cycle Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 23/08/1980  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2003

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: AutoCAD  
: Visio

## TRAINING COURSES AND CERTIFICATIONS

- : English course: Passed level # 9 (English 302) of American University.
- : One month off-shore training in Belgium & Czech Republic on HRSG & Auxiliaries Maintenance by CMI/SKODA PRAHA Consortium (Nov. 2007):
  - HRSG Design and Operation Principles.
  - HRSG Water Survey (Water Treatment) and HRSG Conservation.
  - Pneumatic Actuators Adjustments and Maintenance.
  - Auma Actuators (adjustment, maintenance).
  - Crosby safety valves, Tyco/Fisher control valves and HP valves.
  - Commissioning activities, Codes and Standards (ASME).
  - Welding Procedures, Welding Checks and Heat treatment.
  - Preventive, Corrective Maintenance rules and Spare parts.
  - SEGMA HP/IP, LP, Condensate pumps description, design, testing and maintenance.
- : On-shore Maintenance Training on the above CMI and SKODA delivered equipments.

- : One month off-shore training in Germany on SIEMENS Gas Turbine (2x250MW) model V94.3A Operation Procedures, Abnormalities and Corrective Remedies by SIEMENS PG (Jun. 2006):
  - Gas turbine and auxiliaries.
  - Overview process control system teleperm XP/OM 650.
  - Process operation with operating terminals.
  - Process monitoring, fault analysis, alarm sequence display.
  - Process information with curve and bar displays, operating point and logs.
  - Controller function overview.
  - Process start-up, operation and shut down.
- : On-shore Operation and Maintenance Training on all SIEMENS delivered equipments.
- : Operation and Maintenance of thermal power plant (include: boilers, Turbines, Pumps, Heat Exchangers, Condensers, Valves, Pipe lines, Generators, Transformers and Electrical distribution lines), El-Kureimat (2x627MW) Steam Power Plant Training Center, from Jul. till Oct. 2004.
- : 2 months operation training in Egyptian O&M Co. in El-Kureimat I Steam Power Plant (2x627MW).
- : 2 months training in Balayim Petroleum Company "PETROBEL" on Operation and Maintenance of Gas Turbines, Compressors, Control Valves, Firefighting, Industrial Safety, 2002.
- : 2 months training in Egyptian Iron & Steel Company, 2001.
- : CASBEC "Center of Advanced Software and Biomedical Engineering Consultations" – Cairo University:
  - Micro-controller course (3 weeks).
  - Computer Interfacing course (3 weeks).
  - C language course (1 week).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2011 till now
- Employer** : Kharafi National
- Project** : Sabyia Combined Cycle Power Plant 2250MW – Kuwait
- Job title** : Construction Engineer
- Job Description** :
  - Senior Mechanical Engineer for:
    - Gas turbine and auxiliaries GE (MS9001FA) 6x250MW.
    - Six Horizontal HRSGs & Auxiliaries supplied by Hyundai Heavy Industries Co.
  - Full supervision of mechanical construction activities are completed in accordance with the specification, engineering standards and any other referenced documents and vender documentations, and to ensure that all mechanical works are executed in accordance with approved QA/QC plans, related to rotary, stationary equipments, critical piping and PUNCH LIST issuing.
- Dates** : From Jun. 2007 till Jun. 2011
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat CCP 2x750MW

**Job title** : Construction & Commissioning Engineer

**Job Description** :

- Project Engineer for:
  - Gas turbine and auxiliaries GE (MS9001FA) 2x250MW.
  - Four HRSGs & Auxiliaries supplied by CMI / SKODA consortium (Heat Recovery Steam Generator vertical type, 345 t/h, 134 bar, 556°C, (2-2-1) Triple Pressure + Reheat Natural Circulation).
- Review of project scope of works, drawings and technical specification and check the contract quantities with respect to actual work to be done and prepare documentation for any variation for extra work request.
- Review and approval for all the submitted work procedures by contractor for the project.
- Verification of the contractor's quality control procedures.
- Checking the certification of materials delivered to site.
- Review and approval of the contractor's site proposals.
- Coordination between the contractor's and the other relating departments.
- Full supervision of mechanical construction activities are completed in accordance with the specification, engineering standards and any other referenced documents and vender documentations, and to ensure that all mechanical works are executed in accordance with approved QA/QC plans, related to rotary, stationary equipments, critical piping and PUNCH LIST issuing.
- Carrying out the Final Construction Walk down, and Hydrostatic testing monitoring.
- Inspection and Calibrating Cold & Hot settings of all pipes supports.
- Review daily, weekly and monthly project reports (progress reports).
- Hold weekly, monthly meeting with contractors as required.
- Handovers on completion.
- Commissioning / Start-up Engineer for the following:
  - HP, IP, LP Drums and Deaerator Inspection.
  - Modules inspection and Pumps alignment and heat run test.
  - Loop, function check, limit and torque switch adjusting for motorized and control valves.
  - Acid Cleaning for all systems.
  - Steam blow out for all critical piping.
- Maintenance Engineer achieved the following:
  - Spare parts list reviewing with equipments sectional drawings against contract requirements.
  - Preparing and applying periodic maintenance plans according to O&M manuals.
  - Preparing the lists of consumables as gaskets, oils and greases, etc. according to the manufacturer recommendations.
  - Studying, selection, approval and taking over of general maintenance tools and workshop equipments.

**Dates** : From Sep. 2005 till Jun. 2007

**Employer** : Upper Egypt Electricity Production Company (UEEPC)

**Project** : EI-Kureimat CCPP 2x750MW

**Job Description** : 

- The Owner Mechanical Construction & Commissioning Engineer for:
  - SIEMENS gas turbines 2x250MW (V94.3A2, Type SGT5-4000F).
- CTG tender and Erection Review and put comments.
- Hydrostatic test for all piping.
- Commissioning walk down and punch list preparing.
- Loop, function, and rotation check for all delivered equipments.
- Fine tuning of control valves and IGV.
- Testing of all protection systems for gas turbine, main compressor, auxiliaries and fire protection systems.
- Process start-up and load rejection.

**Dates** : From Oct. 2004 till Sep. 2005

**Employer** : Upper Egypt Electricity Production Company (UEEPC)

**Project** : El-Kureimat Steam Power Plant 2x627MW

**Job title** : Manager of the General Maintenance Workshop

**Job Description** : I was leading about 25 technicians, this workshop is responsible for providing a solution and manufacturing all spare parts required for piping, pumps, valves, etc., during maintenance activities which needs turning, milling, shaping, forging, welding, run out, lapping, woodworking, assembly and any other industrial operation.

**Dates** : From Jul. 2003 till Jul. 2004

**Employer** : El Obour baked brick factory

**Job title** : Operation / Maintenance Specialist for the production line