

**102544-MEC-1MOS-E-2008**  
**Lead Commissioning Engineer**

Holds a B. Sc. in Mechanical Engineering and has about 13 years hands-on experience working in maintenance, operation, commissioning and start-up at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 24/09/1985  
Gender : Male  
Marital Status : Married  
Residence : Dakahlia

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Fluent  
German : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD  
: MS Project  
: Primavera P6

## TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP)<sup>®</sup> Credential, certificate no. 2786706, PMI / USA.  
: Risk Management Professional PMI-RMP Exam Preparation.  
: Planning & Scheduling Professional: be professional, PSP Exam Preparation.  
: Unsteady Combustor Processes, Prof. Lieuwen, CEFRC Combustion Summer School.  
: Combustion Dynamics, Prof. Candel, CEFRC Combustion Summer School.  
: Master In-Demand Professional Soft Skills, LINKEDIN LEARNING.  
: Shaft Alignment for industrial rotating machinery, Turvac Incorporated, YouTube.

- : Business Development: Strategic Planning course & How to innovate and stay relevant in times of change and uncertainty.
- : Technical training at Electrical Talkha Station.
- : Trainings at New Talkha Combined Cycle Power Plant (750MW):
  - Gas turbine operation course SIEMENS V94.3A - Teleperm XP control system.
  - CMI Energy + Skoda Praha HRSG on-job training.
  - The OV010 - WIN Ovation windows Operator Course (Emerson Process Management, at New Talkha Combined Cycle Power Plant 750MW).
- : Gas turbine maintenance and commissioning training, SIEMENS.
- : Motor operated valves Basic, advanced and specialist course, ATEC.
- : English course for mechanical engineering (on job training).
- : German course.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2018 till 2019
- Employer** : Orascom Construction / GE
- Project** : Assiut Combined Cycle ADD-ON 2x750MW Project
- Job title** : Lead Commissioning Engineer
- Job Description** :
- Responsible for the entire commissioning of 8 DOOSAN HRSGs, Tasks included but not limited to hand over from construction / hydro test / chemical cleaning / steam blow / restoration (piping and HRSG equipment's) / valves calibration mechanical and instrumentation, perform required tests for different equipment as per GE commissioning book instructions, Following up with operation team the performance of HRSG equipment.
  - Maintaining optimum interaction with project leader, Design department and customer representatives, ensuring that all project related activities are planned and executed in accordance with QA standards and procedures, the relevant project documentation as well as safety requirements.
  - Prepare and keep up-to-date the pre-commissioning and commissioning execution plans (including the schedule and the mobilization of personnel and equipment).
  - Assist subcontract group for the scope definition of work contractors.
  - Supervise the installation, maintenance, repair, and testing of mechanical stationary and rotary equipment in the plant.
  - Complete the commissioning and hot cleaning of Air Cooled Condenser (ACC).

- Dates** : From 2013 till 2018
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha 750MW Combined Cycle Power Plant
- Job title** : Senior Mechanical Maintenance Engineer
- Job Description** :
- Prepare and release mechanical maintenance procedures for the power plant equipment.
  - Perform pre-commissioning, commissioning, troubleshooting and fact-finding tasks on SIEMENS gas turbine SGT5-4000F & ALSTOM steam

turbine HD2 / MD3 / ND41 and other power plant equipment.

- Technical Field Assistance Engineer combustion unit (check for cracks, breaks, removal of heat shields, remove and cleaning of burners, axial/diagonal swirlers), combustion tuning.
- Perform and supervise minor and major overhaul for gas / steam turbine (Bearing, turning gear, rotor, blades, vane carrier, seals, combustion unit, governors).
- Responsible for corrective, preventive, predictive, periodic maintenance activities and major inspections of auxiliary systems (lube and hydraulic oil system, fuel gas and oil system, compressed air supply, heat exchangers, pumps and compressors (axial, centrifugal, screw and fixed displacement).
- On the basis of programmed activities and operating conditions, prompt notification of spare part requirements to compensate deviations from routine and special maintenance demands.
- The quality of machine, equipment or plant maintenance operations, including those carried out by third parties, is in line with reference standards.

**Dates** : From 2012 till 2013  
**Employer** : Middle Delta Electricity Production Company  
**Project** : New Talkha 750MW Combined Cycle Power Plant  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Responsibility for all operational plant on the site associated with the reception, control of boiler and turbine plant, generation and control of power generated; control of the flue gas treatment.
- Control and maintain auxiliary equipment, such as pumps, fans, compressors, condensers, feedwater heaters, filters and chlorinators, to supply water, fuel, lubricants, air, and auxiliary power.
- Daily Reports for the normal Operation of Units.
- Co-ordinate between Operation Dept. & maintenance Dept.'s to solve problems & Fix faults.

**Dates** : From 2010 till 2012  
**Employer** : Middle Delta Electricity Production Company  
**Project** : New Talkha 750MW Combined Cycle Power Plant  
**Job title** : DCS Operation Engineer  
**Job Description** :

- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned targets.
- Diagnose and resolve day-to-day operational problems.

**Dates** : From 2008 till 2010  
**Employer** : Middle Delta Electricity Production Company  
**Project** : New Talkha 750MW Combined Cycle Power Plant  
**Job title** : Field Operator Engineer  
**Job Description** :

- Work outside in the plant and is in constant communication with the Panel Operator and Lead Operator directly and/or by radio in field operations such as making manual adjustments to valves and

- equipment, etc.
- Diagnose and resolve day-to-day operational problems.

Skills:

Experience with power plant automation control system (T3000 / TXP / OV 010 - WIN Ovation /Mark VIe).