

# 105280-ELE-1MQSy-E-2008

## E&I Commissioning & Maintenance Engineer

Holds a B. Sc. in Electrical Power Engineering and two Electrical Diploma. Has over 14 years hands-on experience working in E&I operation, commissioning and maintenance at Power Plants.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/09/1983  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

### EDUCATION

: B. Sc. in Electrical Power Engineering, Mansoura University, 2008  
: Electrical Machines Diploma, Menoufia University, 2016  
: Electrical Power Diploma, Menoufia University, 2018

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet

### TRAINING COURSES AND CERTIFICATIONS

: Training Course for operation of the HRSG (STF Supply) in the STF Onshore Operation for a 750MW - Nubaria Project III - for two units STF, duration of training: 30 days onshore.  
: Training for "power and control circuits cubical cabinets" (Aug. 2008) in Technology Competency Center.

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2020 till now  
**Employer** : AC Boilers  
**Project** : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW:

- Three supercritical boilers (Benson) 3x650MW GAS & OIL FIRED supplied by (AC BOILERS).
- Three steam turbines 3x650MW (HP, IP, LP stages) supplied by

- (MITSUBISHI).
  - Distributed control system (DCS/BMS/BPS) supplied by (SCHNEIDER ELECTRIC).
  - Auxiliaries (service, closed cooling, circulation systems, hydrogen and oxygen gas production plant etc.
  - Water treatment system.
  - CEMS (continuous emission monitoring) EMERSON.
- Job title** : E&I Commissioning & Maintenance Engineer
- Dates** : From May 2020 till Aug. 2020
- Employer** : AC Boilers
- Project** : CAIRO WEST SUPERCRITICAL POWER STATION 1x650MW:
- One supercritical boiler (Benson) 1x650MW GAS & OIL FIRED supplied by (AC BOILERS).
  - Three steam turbines 1x650MW (HP, IP, LP stages) supplied by (DOOSAN).
  - Distributed control system (DCS) supplied by (HONEYWELL).
  - BMS/BPS supplied by (ABB).
  - Auxiliaries (service, closed cooling, circulation systems, hydrogen and oxygen gas production plant etc.
  - Water treatment system.
  - CEMS (continuous emission monitoring) EMERSON.
- Job title** : E&I Commissioning & Maintenance Engineer
- Dates** : From Jun. 2018 till May 2020
- Employer** : AC Boilers
- Project** : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW:
- Three supercritical boilers (Benson) 3x650MW GAS & OIL FIRED supplied by (AC BOILERS).
  - Three steam turbines 3x650MW (HP, IP, LP stages) supplied by (MITSUBISHI).
  - Distributed control system (DCS/BMS/BPS) supplied by (SCHNEIDER ELECTRIC).
  - Auxiliaries (service, closed cooling, circulation systems, hydrogen and oxygen gas production plant etc.
  - Water treatment system.
  - CEMS (continuous emission monitoring) EMERSON.
- Job title** : E&I Commissioning & Maintenance Engineer
- Dates** : From Aug. 2017 till Jun. 2018
- Employer** : Orascom Construction Co.
- Project** : West Damietta Power Plant (combined cycle project 1x250MW, steam turbine (GE D-202) & 4 HRSG (Doosan)):
- Four Gas turbines 8x125MW supplied by (GE).
  - Four Horizontal HRSG supplied by (DOOSAN).
  - One steam turbine 1x250MW (HP, LP stages) supplied by (GE).
  - Auxiliaries (service, closed cooling, circulating systems, Hydrogen and Oxygen Gas Production Plant, etc.).
  - Medium Voltage 6.6KV switchgear.

- Job title** : E&I Commissioning Engineer
- Dates** : From Aug. 2009 till Aug. 2017
- Employer** : MDEPC
- Project** : Nubaria Combined Cycle (3x750MW) Power Station:
- Two gas turbines 2x250MW frame MS9001FA supplied by (GE).
  - Four SIEMENS gas turbines 250MW.
  - Two horizontal HRSG supplied by (STF).
  - One steam turbine 250MW (HP, IP, LP stages) supplied by (ALSTOM).
  - Two steam turbines 250MW (HP, IP, LP stages) supplied by MITSUBISHI.
  - Distributed control system supplied by (YOKOGAWA).
  - Auxiliaries (service, closed cooling, circulating systems, Hydrogen and Oxygen Gas Production Plant, etc.).
- Job title** : Control Room Engineer
- Dates** : From Aug. 2008 till Aug. 2009
- Employer** : STF Company
- Project** : Nubaria Power Station Combined Cycle 1x750MW:
- Two Gas turbines 250MW frame MS9001FA supplied by GE.
  - Two Horizontal HRSG supplied by STF.
  - One steam turbine 250MW (HP, IP, LP stages) supplied by ALSTOM.
  - DCS Distributed Control System supplied by YOKOGAWA.
- Job title** : QC Engineer
- Field of experience** :
- DCS function block diagram test for control systems (Yokogawa – Foxboro – ABB - Honeywell - MARK IVe).
  - Testing and Calibration of all field instruments pre- and post-commissioning including loop check with (Yokogawa – Foxboro – ABB - Honeywell - MARK IVe) Control Systems.
  - All instruments: (Installations, Commissioning, Loop check with MARK IVe Control System & Foxboro Control System & ABB Control System).
  - Testing and calibration of all (BMS) field instruments (Flame Scanner – Burners ignitor - Air register - OFA system).
  - Calibration of all types of instruments (pressure transmitters and switches, flow transmitters, level transmitters and switches, all types of thermocouples and RTD.)
  - Testing the breakers for medium Voltage 6.6KV switchgear and low Voltage 400V MCC.
  - Testing and Commissioning of firefighting systems.
  - Testing and calibration of all instruments for water treatment system.
  - Calibration of all types of actuators (electrical (auma – Elfor), Pneumatic (fisher - Siemens – Foxboro – SVI -ABB)).
  - Commissioning of CEMS (continuous emission monitoring) system analyzers supplied by EMERSON.
  - Working on all types of instrument calibration tools.
  - Start-up and shut-down for thermal power plant.
  - Turbine & auxiliaries' operation (GE, ALSTOM, MITSUBISHI), and reporting the equipment condition during normal operation.

- Boiler & auxiliaries' operation (STF, DOOSAN and AC boiler) and reporting the equipment condition during normal operation.
- Good command with BTG control system.
- Operation of 500KV switch gear.
- Good knowledge of firefighting system (water system, foam system and dry powder system locally and alarms control panel).
- Good dealing for industrial safety requirements.
- Issue the maintenance requests and follow up the executing work permits.