

**104782-ELE-1OS-E-2006**  
**Commissioning, Start-up & Operation Engineer**

Holds a B. Sc. in Electrical Engineering and has more than 10 years hands-on experience working in operation, commissioning and start-up at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 14/04/1983  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Electrical Engineering, Mansoura University, 2006

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: Generators and transformer protection in Abu Qir Power Station.  
: Desalination Plant Operation.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2012 till now  
**Employer** : ELSWEDY ELECTRIC (PSP)  
**Job Description** :

- Beni Suef Combined Cycle Power Plant 4800MW (Turbine frame STG5-8000H):
  - Commissioning and start-up for HVAC system in central control Building.
  - Commissioning and start-up for power transformers.
  - Commissioning and start-up for LV SWR.
  - Commissioning and start-up for MV SWG.
  - Commissioning and start-up for MV & LV Pumps.

- Commissioning and start-up for Battery charger and UPS system.
- Filling, Charge and discharge for Battery system.
- Working as Operation Engineer in ATTAQA Power Plant (4x165 MW): Gas turbine Siemens manufactory frame 4xSGT5-PAC2000E and also under my responsibility all auxiliary equipment's (air compressor, EDG, water treatment, GIS, low switch gear, firefighting system).
- Working as Commissioning Team Leader at Al-Diwania Power Station at IRAQ for 5 months: Al-Diwania Power Station (4x125MW) GE manufactory frame 9E natural gas and liquid distillate oil fire system.
- Working as Operation and Commissioning Engineer in Banha Power Plant (3x250MW) in CP-118 for auxiliary system (Compressed Air System, condensate water system, Service water system, Circulating water system and Feed Water System by Boiler Feed Water Pumps and its Lube Oil and Control Oil and fire system).
- Working as Operation Engineer in Abu Qir Power Plant (2x650MW) in CP-115 at desalination MED units: MED description:
  - Two MED Desalination units with net distillate capacity of 5,000m<sup>3</sup>/day each unit.
  - Gain output Ratio of 8.5kg of distillate /kg of medium pressure steam to the units.
  - Distillate purity level <10 µs/cm<sup>2</sup> and PH of 6-8.
  - Sea water temperature range of 12 to 27 °c.
  - Steam supply conditions of 10 barg at 370 °c, 12barg at 250°c.
  - Dose Anti-scale, Anti-foam and NA bisulfate chemicals to minimize scaling of tubes, foam in the MED evaporator, and residual free chlorine in the make-up.

**Dates** : From Mar. 2010 till Apr. 2012

**Project** : SIDI KRIR Power Plant (2x320MW)

**Job title** : Control Room (DCS) Process Engineer

**Job Description** :

- Safe Start and Shutdown for the unit.
- DCS Unit Operation Processes.
- Boiler Operation Processes.
- Auxiliary Unit Operation Processes including Feed water Pumps, both turbine and electrical.
- Desalination Plant:
  - Operate Multi Stage Flash Chambers (MSF) (2 x 5000 ton/day).
  - ROTARY EQUIPMENT ENGINEER.
  - Operate and maintain Rotary and centrifugal pumps.
  - Field Process Engineer, responsible on preparing all system locally such as:
    - Main Turbine and its auxiliary system (SIEMENS): START-UP, OPERATION FOR TURBINE: Turbine start-up and normal operation and its auxiliaries processes including Main Vacuum Pumps, Seal Steam System, Seal Oil System, Lube Oil & Control Oil System.
    - Main Boiler and its auxiliary system (BABCOCK): START-UP, OPERATION FOR BOILER: Boiler start-up and normal operation and its auxiliaries processes including Combustion Air System, Air Heater System, Gas & Mazout fuel System, Gas Recirculation System.
    - Unit Auxiliary Systems: Compressed Air System, condensate

water system, Service water system, Circulating water system and Feed Water System by Boiler Feed Water Pumps and its Lube Oil and Control Oil.

- Dates** : From Mar. 2008 till Mar. 2010
- Project** : Mahmoudia Power Plant (Gas Power Station with combined cycle (300MW))
- 8x25MW gas turbine (general electric MS 5001)
  - 8 heat recovery steam generator 50 ton steam/hr for each unit
  - 2x50MW steam turbine (General Electric)
- Job title** : Shift Charge Engineer
- 
- Dates** : From Jan. 2007 till Sep. 2007
- Employer** : National Navigation Company
- Job Description** :
- Electrical Engineer in Wadi Halfa Bulk Ship.
  - I dealt with different types of motors, pumps and relay control system.