

**105931-ELE-150-E-2009**  
**Operation, Commissioning & Start-up Engineer**

Holds a B. Sc. in Electrical Engineering and has more than 8 years hands-on experience, including 5 years working in operation, commissioning and start-up at Banha Combined Cycle Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/05/1987  
Gender : Male  
Marital Status : Married  
Residence : Qalubia

## EDUCATION

: B. Sc. in Electrical Engineering, Benha University, 2009

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : General Electric, MS9001FA+E Gas turbine operations, including:
  - P&ID Reviewing and studying all turbine systems.
  - DLN 2.6+ Firing stages.
  - Case studies for GE previous experience.
  - Trender and alarms and alarm tracing.
  - Viewing trip log.
- : Ansaldo Energia, operation of steam turbine, generator and condenser (CT-10064-CP-106):
  - P&ID Reviewing and studying all turbine systems.
  - Start-up and shutdown.
  - HMI (trends, alarms, trip).
  - The excitation system including the excitation transformer.
  - The electrical protection, synchronizing & measuring systems.
  - Bypass system valves and condenser vacuum pumps.

- : Hyundai Heavy Industries, testing and operation of 245KV GIS:
  - GIS operation and components.
  - GIS routine testing and test equipment's.
  - GIS protection systems.
  - HMI operation, alarms, trends.
- : Hyundai Heavy Industries, vertical pump operations (CWP, SWP & RWP):
  - Basic theory of different type of pumps.
  - Operation and trouble shooting, Maintenance.
  - Electric Motor and Instrumentation and pump control.
- : Yokogawa, CENTUM VP operation course:
  - HMI (logic, trends, alarms, trip).
  - CENTUM control cabinets items.
  - DCS interface signals.
- : AUTOCAD course from Cairo University.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2013 till now
- Employer** : Middle Delta Electricity Production Co. (MDEPC)
- Project** : Banha 750MW Combined Cycle Power Plant
- Job Description** :
- 2x250MW GE 9FA gas turbine gas and liquid fuel fired including:
    - Commissioning and start-up to gas turbines.
    - Load rejection test, housing test and over-speed test.
    - Normal operation and safely stop unit at normal outage and trips.
    - Gas turbine compressor water wash.
  - Two Ansaldo Caldaie heat recovery steam generator (HRSG) including Steam blow, commissioning, start-up, normal and abnormal operation.
  - Ansaldo Energia 1x250MW steam turbine commissioning and start-up Testing (valve tests, over speed, load rejection).
  - Balance of plant (BOP) commissioning and operation including (air compressor, closed cooling water pumps, service water pumps, circulate water pumps, feed water pumps, liquid fuel treatment system).
  - 220KV GIS, 220/15.7KV transformers, 6.3KV switch gear, 400 V Low voltage, emergency diesel generator.
  - Issuing the work permits for maintenance department and project contractors for maintenance, construction and commissioning.
  - Maintain the units in compliance with all emissions limitations in accordance with the environmental permits.
  - Understand, adhere and comply with the sites environmental health and safety program.
  - Job training for the fresh engineers that joined team.
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- Dates** : From Oct. 2010 till Feb. 2013
- Employer** : ELECTRA Control Co.
- Projects** :
- Cairo International Airport APM (automated people mover) Project
  - Sharm El-Sheikh International Airport
- Job title** : Commissioning & Start-up BMS Engineer
- Job Description** :
- Commissioning and start-up for building management system components and controllers.

- Design logic programs for BMS.
- Design HMI for BMS.
- Interface with different system (fire system, elevators, ladders, chillers, switch gear breakers, ...etc.).
- Reporting the performance of the quality to the head of department and the management to review.

**Dates** : From Jan. 2010 till Oct. 2010

**Employer** : International Environmental Technology Co. (INTECH)

**Projects** : 

- Katamia Waste Water Treatment Plant
- El-Kureimat Water Treatment Plant

**Job title** : Electrical Engineer

**Job Description** : 

- Maintenance for medium voltage distribution panels (RMU, C.B, T.F).
- Maintenance for low voltage distribution panels and different motor starting methods (direct, star delta, VFD starter).
- Maintenance for different electric motors and pumps.
- Follow up the updates of progress for works done at site.