

<b>100607-ELE-OS-E-2003</b> <b>Commissioning &amp; Start-up Engineer (Team Leader)</b>
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Holds a B. Sc. in Electrical Power Engineering and has more than 13 years hands-on experience working in operation, commissioning and start-up at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 21/01/1980  
Gender : Male  
Residence : Assiut

## EDUCATION

: B. Sc. in Electrical Power Engineering, Assiut University, 2003

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: English course (level 7), A.U.C.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2013 till now  
**Employer** : INITEC ENERGIA Company  
**Project** : Giza North Combined Cycle Power Plant 2250MW (3 Module x 750MW)  
**Job title** : Commissioning & Start-up Engineer (Team Leader)  
**Job Description** :

- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing, ..... ) as per manufacture recommendation.
- Making commissioning for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, NOx water system, feed water system, drain system, H2, N2, CO2 system.
- Making first start for these systems.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as

well as availability of tools and machinery.

- Managing and coordination with different subcontractors working at site.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Supervising pre-operational, operational and load performance activities.
- Making on-site training for client engineers.

**Dates** : From Jul. 2012 till Jul. 2013  
**Employer** : [EGYPTROL](#)  
**Project** : Abu Qir Thermal Power Plant project units 6, 7 (2x650MW gas/oil)  
**Job title** : Commissioning & Start-up Engineer / Shift Charge Engineer  
**Job Description** :

- Ansaldo Caldaie steam boiler its specifications as follow:
  - Radiant box type, Natural gas & fuel oil, BM.C.R 574.3 kg/s, SH outlet pressure 183 bar, SH outlet temperature 541°C, RH steam flow 480.5 kg/s, HR pressure 41.1 bar, HR temperature 565 °C, Burner type TEA B.A., No. of burners 30, Two air heaters, Two forced draft fan & two gas recirculation fans.
- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing, ..... ) as per manufacture recommendation.
- Making commissioning for firefighting system, fuel oil system, fuel gas system, soot blower system, auxiliary steam system, atomizing air system, atomizing steam system, flue gas system.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
- Managing and coordination with different subcontractors working at site.

**Dates** : From Dec. 2011 till Jun. 2012  
**Employer** : [EGYPTROL](#), Commissioning Subcontractor for ANSALDO ENERGIA  
**Project** : 6th October Power Station (600MW)  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :

- Commissioning & start-up for Ansaldo gas turbine AE94.2.
- Follow-up pre-commissioning (lube oil flushing, control oil flushing, gas line, closed cooling system ...).
- Follow up Commissioning & start-up for GT AUXILIARY-
- Follow up the project daily works (piping, welding, and all auxiliary equipment).
- Follow up commissioning & start-up for firefighting system for gas turbine portion.
- Line up for (lube oil, control oil, air and fuel gas, instrument air, ...) before initial fire.

**Dates** : From Jun. 2010 till Jun. 2011  
**Project** : Cairo West Thermal Power Plant 2x350MW  
for CP-118 INITEC Energia, CP-109 Thermo Mechanical Pumps, Mitsubishi Turbine, Hitachi Boiler

- Job title** : Commissioning & Start-up Engineer / Shift Charge Engineer
- Job Description** :
- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing, ..... ) as per manufacture recommendation.
  - Making commissioning for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, feed water system, drain system, H2, N2, CO2 system.
  - Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
  - Managing and coordination with different subcontractors working at site.
  - Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
  - Supervising pre-operational, operational and load performance activities.
  - Making on-site training for client engineers.
- Dates** : From Sep. 2003 till Jun. 2010
- Employer** : Upper Egypt Electricity Production Company
- Project** : Assiut Thermal Power Plant
- Job title** : Shift Charge Engineer
- Job Description** :
- Start-up and shut-down procedures for thermal power plant 2x312MW (cold, warm and hot start-up and normal or emergency shut-down).
  - Turbine & auxiliaries operation (Toshiba & Ansaldo) and reporting the equipment condition during normal operation.
  - Boiler & auxiliaries operation (Mitsubishi & Ansaldo) and reporting the equipment condition during normal operation.
  - Testing and changing-over for all mechanical equipment locally and from control (good dealing with hydrogen production plant and mechanical equipment).
  - Making connection and disconnection for electrical circuits of 220KV, 6.3KV and operation of electrical diesel-generators.
  - Good command with Toshiba & Bailey control system, Control station and monitors.
  - Making daily technical reports about the unit's abilities & efficiencies.
  - Very good dealing with fire fighting system (water system, form system and powder system locally and alarms control panel).
  - Good dealing for industrial safety requirements.
  - Full knowledge of security and safety procedures for operation of thermal power plant.
  - Attending overhaul maintenance of main generator (rating 425MVA).
  - Attending of stator repair for main generator (425MVA).
  - Attending of high voltage test (HVD.C test) for stator winding repair of main generator (425MVA).
  - Attending of rotor repair for main generator (425MVA).
  - Measure for D.C. resistance and opening, closing time for C.B.
  - Attending for RE wedging for main generator (425MVA).
  - Attending of all electrical tests for main generator (425MVA).

- Good command with DCS control system same YOKOGAWA.
- Part of commissioning team CP-118 including CWP, BFP, etc.
- Experience in work permit of electrical and mechanical equipment.