

Holds a B. Sc. in Mechanical Power Engineering and has over 14 years hands-on experience in operation, commissioning and start-up, mainly working at NUBARIA Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/08/1980
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2006

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : ALSTOM off-shore training in Birr – Switzerland (Jun./Jul. 2010):
 - Introduction & Steam Turbine operation.
 - Electrical Operation & Maintenance.
 - Introduction to the control system and simulator based CCGT process training.
- : "BTG Valve & Smartrak Maintenance & Calibration Training Course", Nubaria (May 2010).
- : "Condenser Exhauster Vacuum Pump Units & Water box Priming Pump" on-shore training by NASH, Nubaria (May 2010).
- : "Generator Protection Functions and Synchronizing Panel" on-shore training by INITIC ENERGIA and PROINELCA POWER, Nubaria (Apr. 2010).
- : "Training on Function and Operation of the Alstom CM Condenser" on-shore training by ALSTOM Power Service Commissioning Dpt. and by INITIC ENERGIA and PROINELCA POWER, Nubaria (Apr. 2010).
- : On-shore training by ALSTOM Power Service Commissioning Dept. and by INITIC ENERGIA and PROINELCA POWER.

- : "Generator / Excitation on-shore training course for the operator personnel" by ALSTOM Power Service Commissioning Dpt. (Mannheim – Germany), Nubaria (Mar. 2010).
- : "Turbine Operation on-shore training course for the operator personnel" by ALSTOM Power Service Commissioning Dpt. (Mannheim – Germany), Nubaria (Mar. 2010).
- : "Instrumentation and Control on-shore training course for the operator personnel" by ALSTOM Power Service Commissioning Dpt. (Mannheim – Germany), Nubaria (Mar. 2010).
- : "Maintenance for turbines", Nubaria (Nov. 2008).
- : "Component and operation for the medium & high voltage", Nubaria (Feb. 2008).
- : "Components and operation for combined cycle", Nubaria (Feb. 2008).
- : "Combined Cycle Units Maintenance & Operation of Combined Cycle", Nubaria.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2008 till now
- Project** : Nubaria Combined Cycle Module III (750MW):
- 4x250MW Siemens gas turbine (V94.3A2).
 - 4 Horizontal Heat Recovery Steam Generators ALSTOM HRSGs.
 - 2x250MW Mitsubishi steam turbine.
 - 2x250MW GE gas turbine frame MS9001FA.
 - 2 Horizontal STF HRSGs.
 - One ALSTOM steam turbine 250MW (HP, IP, LP stages).
 - Auxiliaries (service, closed cooling, circulating Systems, etc.).
 - 500KV switchyard.
 - 220KV switchyard.
 - 4 tie transformers 500 KVA 500/220/11KV.
 - 8 outgoing circuits 220KV.
 - 2 outgoing circuits 500KV.
 - Medium and Low Voltage Switchgears.
 - 3 emergency diesel generators.
- Job title** : Shift Charge Engineer
- Job Description** :
- GE (9FA) Gas Turbine 250MW Operation Engineer.
 - ALSTOM Steam Turbine 250MW Operation Engineer, Commissioning, Start-up and reliability test (NUBARIA Combined Cycle Power Station Module III).
 - ALSTOM HRSGs (Heat Recovery Steam Generators) Operation Engineer (NUBARIA Combined Cycle Power Station Modules I & II).
 - Commissioning, start-up and reliability test (Module III).
 - STF HRSGs (Heat Recovery Steam Generators) Operation Engineer, Commissioning and Start-up (Module III).
- Dates** : From Apr. 2016 till Jun. 2017
- Employer** : GE / ALSTOM
- Project** : Suez Thermal Power Plant (1x650MW) Gas/ oil fired unit
- Job title** : Steam Turbine Commissioning & Start-up Engineer

Dates : From Sep. 2015 till Dec. 2015
Employer : Ansaldo Energia
Project : Giza North Power Station 2250MW
Job title : Steam Turbine Commissioning & Start-up Engineer
(3x250 Ansaldo steam turbine)

Dates : From Jun. 2015 till Aug. 2015
Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : Gerga Station (2x25MW gas turbine)
Job title : Gas Turbine Commissioning & Start-up Engineer (GE TM2500)

Dates : From May 2014 till Aug. 2014
Employer : [EGYPTROL](#), SAMSUNG C&T Subcontractor
Project : Quryyah Independent Power Plant (QIPP) – KSA:

- 12x229MW Siemens SGT6-5000F(5) gas turbine.
- 12 BHI Horizontal Heat Recovery Steam Generators.
- 6x226MW Siemens SST6-4000 steam turbine.

Job title : Commissioning, Start-up & Operation Engineer
Job Description :

- Lead the engineers and technical groups.
- Follow the dispatch load request.
- Perform periodical test.
- Operate the unit in disturbed situation.
- Collect and analyze periodical data.
- Follow and deal with alarms in control room.
- Perform necessary measures before equipment start-up.
- Follow operation specification.
- Analyze equipment efficiency.
- Check availability of stand by equipment.
- Apply validated procedures.
- Perform safety work permit system.

Field of experience :

- Commissioning & start-up and operation of gas turbines.
- Commissioning & start-up and operation HRSGs.
- Commissioning & start up and operation of steam turbines (cold start & warm start & hot start).
- Attending of HRSGs change over from gas to oil fuel.
- Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air...etc.).
- Check and operation the field equipments (valves, pumps...etc.).
- Perform the steam blow-out activities for HP steam & HRH & CRH steam & LP steam lines (it's the most important test for the boiler before starting).
- Perform the chemical cleaning according to procedures for condensate system & feed water system.
- Attending of construction, start-up, commissioning, first energize for the transformers.
- Operations and of high, medium, and low electrical voltage switchgears and load centers.
- Responsible for site acceptance tests (cleaning, commissioning and &

Function tests) for HRSGs STEAM TURBINE and its associated auxiliaries.

- Excellent knowledge of DCS systems.
- Perform the sequence test for the following system:
 - Circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), tube cleaning system, debris filter, condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system.
 - Instrument and service air system.
 - Potable water system.
 - Cooling water intake equipment (sluice gate, traveling screen).