

Holds a B. Sc. in Mechanical Power Engineering and has over 15 years hands-on experience, including 14 years working in operation, commissioning and start-up at Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 10/10/1980  
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, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : ALSTOM STG 250MW, Off-shore Operation and Maintenance Training Course for Nubaria III (Jun./Jul. 2010), Switzerland:
  - Introduction & steam turbine operation.
  - Electrical operation & maintenance.
  - Introduction to the control system and simulator based CAPP process training.
- : ALSTOM STG 250MW, On-shore Operation and Maintenance Training Course for Nubaria III (from Mar. till May 2010), Nubaria:
  - BTG Valve & Smartrak Maintenance & Calibration Training Course.
  - Operation & Maintenance in Class Training and On-Site Training of Debris Filter System (DF) And Condenser tube Cleaning System.
  - Generator Protection Functions and Synchronizing Panel Training.
  - Instrumentation and Control.
  - Excitation System.
  - Condenser Exhauster Vacuum Pump Units & Water Box Priming Units.
  - Turbine Operation.
  - Function and Operation of the ALSTOM CM Condenser.

: SIEMENS V94.3A gas turbines basic operation training (Jan./Feb. 2008), Nubaria.

## CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Power Station Module III (750MW)  
**Job title** : Senior Operating Engineer  
**Job Description** :
  - Leading a group of engineers and technicians.
  - Having the complete responsibility and dealing with the dispatch center.
  - Evaluating the technical performance for all the GE, ALSTOM & STF.
- Dates** : From Apr. 2018 till Aug. 2019  
**Project** : 6 October Project  
**Job title** : Commissioning, Start-up & Operation Engineer for Ansaldo Energia steam turbine and HRSG
- Dates** : From Mar. 2015 till Sep. 2015  
**Project** : Giza North 2250MW Combined Cycle Power Project  
**Job title** : Commissioning, Start-up & Operation Engineer for Ansaldo Energia Steam Turbine
- Job title** : Commissioning, Start-up & Operation Engineer for (BHI) HRSG & SIEMENS Steam Turbine  
**Job Description** :
  - Attending installation and construction steps to HRSG & steam turbine.
  - Steam blowing for 12 BHI HRSG & steam piping.
  - Commissioning, start-up and operation for HRSG & steam turbine.
  - Attending first rolling to steam turbine with SIEMENS operator engineers.
  - Working as DCS Operator Engineer during reliability period.
  - Approving Designs, Submittals, Site Acceptance Tests & Commissioning.
- Employer** : [EGYPTROL](http://www.egyptrol.com) - 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 for (BHI) HRSG & SIEMENS Steam Turbine  
**Job Description** : Carried out all commissioning activities (Cold/Hot) of twelve (12) HRSGs as following:
  - Provided advice and guidance chemical cleaning for HRSGs.
  - Followed the erection completed as per requirements and perform punch list during ECC walk down.
  - Checked all components (valves, pumps, instruments, supports, manholes, ...) before energizing or filling and followed function check with all disciplines.
  - Developed and implemented the procedure of pump tests (motor solo run test, heat run test).

- Developed and implemented the method of statement and risk assessment of steam blowing.
- Supporting and overseeing the HRSGs during steam blowing procedure and provided advice and guidance the operation staff at all time.
- Carried out the hot commissioning procedure during steam blowing sequence.
- Followed HRSGs components inspection and carried out the maintenance tasks.
- Provided advice and guidance the performance team and supporting HRSGs performance test procedure.
- Prepared and documented the commissioning program required to CCC packages (commissioning clearance certificate) for handing over to owner.

<b>Dates</b>	:	From Sep. 2013 till May 2014
<b>Employer</b>	:	Middle Delta Electricity Production Company (MDEPC)
<b>Project</b>	:	Nubaria Power Station Module III (750MW): <ul style="list-style-type: none"> <li>• Two modules, each module consists of: <ul style="list-style-type: none"> <li>- Two Siemens CTG 250MW type V94.3A</li> <li>- Two horizontal Alstom HRSGs</li> <li>- One Mitsubishi STG 250MW (HP, IP, LP)</li> </ul> </li> <li>• One module consists of: <ul style="list-style-type: none"> <li>- Two GE CTG 250MW</li> <li>- Two horizontal STF HRSGs</li> <li>- One Alstom STG 250MW (HP, IP, LP)</li> </ul> </li> <li>• 220KV switchyard, 500KV switchyard</li> <li>• Four tie transformers 500/220KV</li> <li>• Medium and Low Voltage Switchgears</li> <li>• 8 outgoing circuits 220KV, 2 outgoing circuits 500KV</li> </ul>
<b>Job title</b>	:	Senior Operation Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Assist in CI inspection for GE gas turbine frame FA9001 (250MW), worked with Technical Advisor GE Company.</li> <li>• Assist in warranty inspection for GE gas turbine frame FA9001 (250MW), worked with Technical Advisor GE Company.</li> <li>• Assist in inspection for GE frame FA9001 (250MW) generator, worked with Technical Advisor GE Company.</li> <li>• Assist in Major inspection for GE gas turbine frame FA9001 (250MW), worked with Technical Advisor GE Company.</li> <li>• Assist in minor inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens Group.</li> <li>• Assist in hot gas path inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens Group.</li> <li>• Assist in major inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens Group.</li> <li>• Assist in Erection of wet compression system for 2 units Siemens gas turbine V94.3A (250MW), worked with Globe Company.</li> <li>• Assist in minor inspection for Mitsubishi steam turbine (250MW), worked with Technical Advisor Mitsubishi Company.</li> <li>• Assist in warranty inspection for Mitsubishi steam turbine (250MW), worked with Technical Advisor Mitsubishi Company.</li> <li>• Assist in inspection and maintenance for 2 overhead cranes (120 Tons),</li> </ul>

worked with KUHNEZUG Company.

- Assist in mechanical store as Material Control Engineer for companies (Siemens, Mitsubishi, Initec, KSB, KUHNEZUG, ...).
- Follow up the maintenance activities for the gas and steam turbine.
- Overhaul Inspection pump house pumps and Maintenance compressor and travel screen.
- Experience in rotating equipment maintenance including pumps, compressors, hydraulic pumps and valves.
- Additionally, worked 6 months as HRSG Mechanical Engineer in Nubaria Power Station & water treatment.

**Dates** : From Apr. 2010 till Aug. 2013  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Power Station Module III (750MW)  
**Job titles** :

- Operation Engineer for ALSTOM STG (250MW)
- Operation Engineer for GE Gas Turbine (250MW)

**Dates** : From Mar. 2008 till Mar. 2010  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Power Station Module I & II (1500MW):

- Two SIEMENS CTG x 250MW Type (V94.3A).
- Two Horizontal ALSTOM HRSGs.
- One MITSUBISHI STG 250MW (HP, IP, LP).
- 220KV Switchyard.
- 500KV Switchyard.
- Four tie transformers 500/220KV.
- Six outgoing circuits 220KV.
- Two outgoing circuits 500KV.
- Medium and low Switchgear.
- Modules Auxiliaries.

**Job title** : Operation Engineer for MITSUBISHI steam turbine and ALSTOM HRSG

**Dates** : From Feb. 2007 till Jan. 2008  
**Employer** : MASSA Company for filling natural water (Siwa, Egypt)  
**Job title** : Maintenance & Production Engineer

**Further experiences:**

- Commissioning, Start-up and Operation Engineer for (STF) HRSG & ALSTOM Steam turbine:
  - Attending installation and construction steps to HRSG & steam turbine.
  - Chemical cleaning for tow STF HRSG.
  - Steam blowing for two STF HRSG & steam piping.
  - Commissioning, start-up and operation for HRSG & steam turbine.
  - Attending first rolling to steam turbine with ALSTOM operator engineers.
  - Working as DCS Operator Engineer during reliability period.
  - Approving Designs, Submittals, Site Acceptance Tests & Commissioning.

- Pumps & Valves (Initec Energia).
- Commissioning, Start-up and Operation Engineer for General Electric gas turbine (GE) (2x257MW):
  - Work as Operator Engineer during performance test of gas turbine.
  - Attending combustion inspection (CI), hot gas path inspection (HGP) and major inspection.
  - Work as Operator Engineer during combine cycle operation.
- Commissioning, start-up for related auxiliaries for Nubaria Module III:
  - Such as: 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 and hydraulic oil system.

- Field of experience :**
- Follow the Dispatch Load Request.
  - Perform Periodical Test.
  - Start-up and shut down of the Units.
  - Detect and diagnose malfunction of equipments and prepare for work orders.
  - Operate the units even in case of abnormal operation.
  - Collect and analyze periodical data.
  - Follow and deal with Alarms in Central Control Room.
  - Perform necessary measures and check out before equipments start-up.
  - Analyze Equipment Efficiency and performance.
  - Application of Validated Procedures.
  - Analysis of all necessary Information about Local Sites.
  - Wide knowledge of operation of combined steam cycle.
  - Operate units' auxiliaries (Feed systems, Air Compressors, cooling systems, circulating water systems, condensate systems, boiler systems, turbine systems, fuel system, generator systems and electrical systems and all related Utilities).