

Holds a B. Sc. in Communication & Electronics Engineering and has 12 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/07/1983
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Communication & Electronics Engineering, Cairo University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Matlab

TRAINING COURSES AND CERTIFICATIONS

- : On-shore training of ALSTOM (HRSG & Alspa p320 DCS), Nubaria Power Plant.
- : On-shore training of gas turbine GE MS9FA, Nubaria Power Plant.
- : On-shore training course in the components and operation of high and medium voltage and generators, which was held in Nubaria Power Plant.
- : Middle Delta Electricity Production Company training course for Gas turbine Component and Operation (Siemens CTG x 250MW type V94.3A), Nubaria.
- : Middle Delta Electricity Production Company training course for Steam turbine Component and Operation (Mitsubishi 250MW Hp, Ip, Lp), Nubaria.
- : Steam turbine on-shore training for Nubaria Power Station I & II 2x750MW combined cycle project under direction of Mitsubishi Heavy Industries Ltd., Nubaria:
 - Generator Design & Structure.
 - Generator Auxiliary Systems.
 - Maintenance for Generator & Generator Auxiliary Systems.
 - Operation for Generator & Generator Auxiliary Systems.

- 500/220/6.3KV operation.
- : On-shore training in Nubaria III Power Station, which was held by Intec Energy (Spain) in erection, operation and maintenance of solar treatment plant.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2019 till now
- Employer** : GE Power – ABENER
- Project** : WAS Integrated Solar CCPP 1250MW
- Job title** : Operation Lead Engineer
- Job Description** :
- Commissioning / Start-up of 1250MW Integrated Solar Combined Cycle Power Plant 215MW x 4 units Gas turbine with 440MW x 1 units Capacity Steam turbine and 50MW Solar Plant (Gas Turbine: GE Dual Fuel 7FA 0.5, Fuel: Natural gas & ASL, Control System: Mark VIe Control System, Steam Turbine: GE).
 - Commissioning & Operation of Gas Turbine and its auxiliaries.
 - Commissioning & Operation of GRS & Fuel Gas Compressor and its auxiliaries
 - Commissioning & Operation of Triple Pressure HRSG and GE Steam Turbine and its auxiliaries.
 - Involved in Commissioning & Operation activities of Gas Turbine Such as First Roll, First Fire, First Synch, Auto Start and stop test, Base Load test, Performance Test and Reliability Test, etc.
 - Involved in Fuel Gas Compressor Redundancy test, Chageover test, Emergency Trip Test, Auto Start & Stop Sequence test.
 - Involved in Commissioning & Operation of HRSG Such as Chemical Cleaning, Steam Blow, First Fire, safety valve Popup test, Diverter damper trip test, Runback test, DD Cold& hot start test, etc.
 - Involved in Steam Turbine Turning Gear, First roll, first fire, synch, Valve stroke check, Seal Steam Trip checks, Grid Code test, etc.
 - Involved in Commissioning & operation Activities for BOP Systems such as Nitrogen Plant, Instrument Air System, Closed Cooling water System, Fire Fighting System, Auxilary Cooling water system, Chilled Water System.
 - Involved in Operation and commissioning test for Boiler Feed water, Condensate Pumps such as Redundancy test, Trip tests, Runback test, etc.
 - Involved in commissioning of ASL Unloading, Demin water Treatment & Distribution System.
- Dates** : From Mar. 2018 till Mar. 2019
- Employer** : [EGYPTROL](http://www.egyptrol.com), GE Energy Subcontractor
- Project** : New West Damietta Power Plant ADD 250MW:
One Module consists of:
- Four GE gas turbines 125MW model MS9001E - (DLN2.6) Mark VIe.
 - Four DOOSAN horizontal type HRSGs.
 - One GE steam turbine (D202) 250MW (HP and LP).
 - ACC (Air Cold Condenser).
- Job title** : Commissioning Supervisor & Start-up & Operation Engineer

Job Description :

- Commissioning and first start for all pumps, instrument and service compressors.
- Flushing for (LF, lube oil, CCW, firefightingetc.).
- Chemical cleaning and steam blow.
- Supervision of all equipment was running.
- Managing on site and following all procedures of cold and hot commissioning.
- Control work permits (PTW) during the plant pre-commissioning, commissioning and testing activities on plant and equipment.
- Follow up CTG, HRSG and STG units operation during reliability, performance test and normal operation.

Employer : TECHINT
Project : New West Damietta Power Plant ADD 250MW
Job title : Commissioning & Start-up Engineer (BOP)

Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : ASSIUT POWER PLANT 1500MW
Job title : Operation Engineer Gas Turbine 125MW (GE MS9001EA)
Job Description :

- Carrying out starting and shutdown sequences.
- Ensuring save operation of the gas turbine and its auxiliaries.
- Start-up and operation all auxiliary.
- Follow up construction activities for fast track project to achieve the first fire time.

Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station I & II:

- Two modules, each module consists of:
 - Two Siemens CTG x 250MW type V94.3A.
 - Two Alstom HRSG (HP & IP & LP).
 - One Mitsubishi steam turbine 250MW HP, IP and LP steam lines.
- One module consists of two GE combustion gas turbine 250MW type 9FA and one Alstom steam turbine 250MW.
- 220KV (AIS) switchyard.
- 500KV (AIS) switchyard.
- Four tie transformers 500/220/11KV.
- Medium (6.3KV) and low (400 v) voltage switchgear and MCC.

Job title : Shift Charge Engineer
Job Description :

- Monitored the performance of heating, cooling, and related systems by interpreting alarms and temperature and pressure differentials, troubleshoot problems and made adjustments as needed.
- Control power generating equipment, turbines, generators, or reactors.
- Control or maintain auxiliary equipment, such as pumps, fans, compressors, condensers, filters, or chlorinators, to supply water, fuel, lubricants, air, or auxiliary power.
- Communicate with NATIONAL DISPATCH CENTER to regulate and coordinate line voltages and transmission loads and frequencies.
- Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air...etc.).

- Monitor power plant equipment and BOP.

- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle Power Station III:
One module (750MW), consists of:
- Two units Gas Turbine (GE MS9FA) - Generator Drive (250MW).
 - Two horizontal HRSG (STF).
 - One ALSTOM Steam Turbine - Generator Drive (250MW).
- Job title** : Operation & Commissioning Engineer
- Job Description** :
- Operation Engineer at Gas Turbine (GE MS9FA).
 - Operation Engineer at STF HRSG.
 - Operation Engineer at Alstom Steam Turbine.
 - Start-up and Commissioning Engineer (BOP & HRSG).
 - Start-up and Commissioning Engineer (ALSTOM STEAM TURBINE).
 - Start-up and Commissioning Engineer: Feed water Pumps, Condensate System, Closed Cooling systems, Potable water system, Chemical system, Fire system, water treatment plant).
 - Hydro test and Chemical cleaning (Feed water - Condensate - Closed Cooling - LP system - IP SYSTEM - HP system).
 - Air blows on instrument air and service air systems.
 - Start-up and line up Steam blowing.
- Field of experience** :
- Summary:
 - 12 years of experience in Gas Turbine Combined Cycle Power Plants as DCS Operator, Shift Team Leader.
 - Proven track record in project operation. Respected leader of creative teams.
 - Expert in control systems (Alspa P320, T3000, Mark VI, ...) and any other new technology based on the same conceptual and content development.
 - Expert in inventory control systems (Amplissima, Empac,) and any other related inventory systems.
 - Administrative Responsibilities:
 - Leading, coordination, and supervision of operation teams during project from commissioning phase to start-up until normal operation.
 - Team development and provide technical training to team members.
 - Technical Capabilities:
 - Gas Turbine Operation Engineer at Gas Turbine (Siemens - V94.3A & GE 9E).
 - HRSG Operation Engineer (Alstom, Doosan & Ansaldo)
 - Steam Turbine Operation Engineer (Mitsubishi & GE D-202).
 - Coordinate with commission manager to solve problems and arrange work permits.
 - Daily reports from units to operation manager.
 - Follow operation engineers and field operation.
 - Communicate with national dispatch.
 - Fast acting in emergency cases.

- Start-up and shut down the unit.
- 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.
- Follow all safety instructions.
- Start-up and shut down Operation for all plant.
- Experience in preparation of site activity planning.
- Understanding of P&ID drawing coordinate with QA/QC and pipe line installation.