

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 Nubaria Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 26/05/1985  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2007

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Basic operation training of Siemens gas turbine (v94.3A), Nubaria Power Station (on-shore) (May/Jun. 2010):
  - Introduction to the plant.
  - Electrical – and I&C part.
  - Gas turbine.
- : Basic operation training of GE gas turbine ("A"), Nubaria Power Station (on-shore) (Feb./Mar. 2009):
  - Gas turbine components.
  - Mechanical part & general concept.
  - Operation and start-up by GE Company.
- Basic operation training of GE gas turbine ("B"), Nubaria Power Station (on-shore) (Mar./Apr. 2009):
  - MK VI Gas Turbine & Generator Control Operations.
  - Electrical part.
  - Operation and start-up by GE Company.
- : Basic operation training of Mitsubishi steam turbine, Nubaria Power Station (on-shore).

: Basic operation training of Alstom heat recovery steam generation, Nubaria Power Station (on-shore).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2008 till now  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW) Power Station  
**Job title** : Senior Shift Charge Engineer  
**Job Description** :

- Two modules, each module consists of:
  - Two Siemens CTG 250MW type V94.3A.
  - Two horizontal Alstom HRSGs.
  - One Mitsubishi STG 250MW (HP, IP, LP).
- 220KV switchyard ABB.
- 500KV switchyard JAPAN AG.
- Four tie transformers 500/220KV.
- Medium and Low Voltage Switchgears.
- Besides I do training courses for new Engineers and Technicians.

**Dates** : From Jun. 2018 till Sep. 2018  
**Employer** : Bureau Veritas  
**Projects** : Beni Suef, New Capital and Burullus Power Stations  
**Job title** : Third Party Inspection Mechanical Engineer / Mechanical Technical Engineer  
**Job Description** :

- Responsible for general review of site documentation and as built drawing corresponding to classification rules, international engineering standards and codes in power stations.
- Perform technical documents support design review and assessment of the engineering, construction of power plants, commissioning, operation and maintenance consultancy for safety and environmental system certification and data management.
- Reviewing supervision on site activities combined cycle power plant including prove redesign solutions for the field problems or changes.
- Review Inspection Check list for mechanical items (gas turbine, HRSG, steam turbine, Pumps, Valves, etc.).
- Review firefighting system according to NFPA standards also inspection Check list items (piping, pumps, valves, etc.) according to P&ID.
- Review Inspection Check list from Chemical treatment items (pumps, valves).
- Punch List Preparation, Test Pack Review & Final Approval.

**Dates** : Jul./Aug. 2015  
**Employer** : PSP Elswedy / Siemens  
**Project** : Attaqa Power Station  
**Job title** : Mechanical Commissioning, Start-up & Operation Engineer  
**Job Description** : Start-up and commissioning Siemens gas turbine type "SGT5-2000E" 165MW with operating program "SPPA-T3000" and all the auxiliary units. Testing the "lube oil system, Turing gear "rotor test", Surge protection, Load

rejection, Mechanical over speed, Electrical over speed, Air leakage “purge test”, Leakage test for gas, Test for flame.

**Dates** : Jul./Aug. 2008  
**Employer** : Gas Chill "Cooling technology by natural gas"  
**Job title** : Mechanical Design Engineer  
**Job Description** :

- Working in HVAC design department as Mechanical Design Engineer on the above mentioned technology (District Cooling Developer) in Absorption chillers and chiller heaters driven by natural gas.
- Preparing life cycle cost analysis (LCCA) and Estimation load reports.
- Design HVAC system chilled water in BonianSodic, Midentay and Barry El-Ahram Hotel.

**Dates** : From Aug. 2007 till Jul. 2008  
**Employer** : MINTA for Trade & Agencies  
**Job title** : Technical Office Engineer  
**Job Description** :

- Design vibration isolation under floor mounted equipment and seismic restraint for the suspended piping, ducts, cable trays, bus bars for (HVAC, Plumbing and fire systems). Done complete design and installation on Cairo air port terminal 3, Al-Azhar Medical Hospital, El-Lotus tower in Alex, Oman Embassy, Cummins power generation, American printing shop and Saudi Embassy.
- Pipe line fitting (all type of valve specification, fitting and etc. for HVAC and fire systems).
- Done a complete approved for the installation the vibration isolators and the seismic restraint and the complete quotation and management.

**Field of experience** :

- Start-up and shut down of the power plant units with SCADA system (DCS).
- Commissioning and start-up of gas turbine, HRSG and steam turbine.
- Commissioning and operation of rotating equipment such as circulating pumps, service pumps, feed water pumps, closed cooling pumps, fire pumps.....etc.
- Commissioning of critical equipment such as by-pass valves and tuning of valves.
- Commissioning of HRSG for gas and fuel oil operation.
- Remark and update the technical documents (P&IDs, system description) with all applied modifications and adjustments that eventually will take place during the commissioning period.
- Commissioning of steam turbine auxiliaries (lube oil skid, hydraulic skid, gland steam skid, seal oil skid and vaccum skid).
- Check the values of alarm and trip for power plant.
- Commissioning of HRSG (hydrostatic test, chemical cleaning of pipes and lines).
- Make steam blow for (high pressure, intermediate pressure and low pressure ciols).
- Connect and disconnect of power plant transformers, medium, low voltage switch gear (6.3KV, 220KV, 500KV).

- Make weekly and monthly tests for steam turbine.
- Start-up and shut down of power plant.
- Check the Nox & Sox content in exhaust to protect the environment.