

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience in operation, maintenance, erection, inspection and commissioning of Combined Cycle Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 18/03/1978  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2001

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : Basic maintenance training on Steam Turbine 250MW by Mitsubishi Heavy Industries Co., Nagasaki, Japan.
- : Basic maintenance training on Generator 250MW by Mitsubishi Corporation Energy Systems Co., Kobe, Japan.
- : Basic maintenance training on Steam Turbine 250MW by Mitsubishi Heavy Industries Co., Nubaria, Egypt.
- : Basic operation and maintenance on Combined Cycle by West Delta Electricity Production Company, Damanhour, Egypt.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2011 till now  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (3x750MW) Power Station:

- 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, 500KV switchyard
  - Four tie transformer 500/220KV
- Job title** : Maintenance Engineer
- Job Description** : Major inspection for Siemens CTG 250MW Type V94.3A, include chemical cleaning, changing of ceramic tiles combustion chamber, check axial & radial clearance for blade, coating, sand past, check cracks, overhaul inspection pump, follow up, prevent, corrective maintenance for STG & CTG.
- Dates** : From Nov. 2009 till May 2011
- Employer** : Mitsubishi Heavy Industries
- Project** : Cairo West (2x350MW) Steam Turbine
- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- Turbine oil flushing.
  - Hydro test oil pipe system.
  - Steam piping blowing.
  - Heat run motor test.
  - Initial running pump.
  - Adjust valve of steam turbine.
  - Preparing steam turbine.
  - Steam turbine interlock test.
  - Condenser vacuum up test.
- Dates** : From Oct. 2008 till Nov. 2009
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle (2x750MW) Power Station
- Job title** : Senior Shift Charge Engineer / Operation Engineer
- Job Description** : Operation of 2 modules (each 750MW) 4x250MW Siemens Gas turbine type V94.3A, all auxiliaries (fuel gas and fuel oil supply system, lube oil system, hydraulic system, compressed air system, cooling system purge water system).
- Dates** : From May 2006 till Oct. 2008
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle (2x750MW) Power Station
- Job title** : Maintenance Engineer
- Job Description** :
- Make minor inspection of gas turbine 250MW Siemens (including cleaning burner thermal, chemical and inspection by baroscopic).
  - Make hot gas inspection of gas turbine 250MW Siemens (including replace, move and fixed stage of turbine).
  - Make overhaul inspection of steam turbine 250MW MHI.
- Dates** : From Dec. 2004 till May 2006
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : Nubaria Combined Cycle (2x750MW) Power Station

- Job title** : Construction Engineer / Commissioning & Start-up Engineer
- Job Description** : As Construction Engineer:
- Installation of steam turbine MHI 250MW.
  - Installation of gas turbine Siemens 250MW.
  - Responsible for closed cooling pump, condensed pump, for inspecting, testing and commissioning serves pump, circulating pump.
- As Commissioning & Start-up Engineer:
- Responsible for sit acceptance tests, commissioning and start-up for under & above ground piping, pumps & valves (INITEC).
  - Commissioning and start-up for gas turbine 250MW Siemens.
  - Commissioning and start-up for steam turbine 250MW MHI.
  - Make steam blow for boiler (Alstom).
- Dates** : From Apr. 2003 till Dec. 2004
- Project** : Damanhour Combined Cycle (156MW)
- Job title** : Operation Engineer
- Job Description** : Responsible for operating of:
- 4 Hitachi gas turbines.
  - 4 Vertical HRSGs.
  - 1 GE steam turbine (60MW).
- Field of experience** :
- Approving contracts.
  - Submittals.
  - Sit Acceptance Test.
  - Commissioning and maintenance for Gas Turbine & Steam Turbine.
  - Steam Blow HRSG.
  - Commissioning and start-up for Combustion Turbine Generator (SIEMENS).
  - Under & above ground piping.
  - Pumps & valves (INITEC).
  - Operation steam and gas turbine.
  - Make overhaul steam and gas turbine.
  - Compressor and auxiliary system.
  - Regular maintenance work and expectant, pre-operational testing tasks.
  - Start-up for gas and steam turbine.