

Holds a B. Sc. and a M. Sc. in Mechanical Power Engineering and has more than 22 years hands-on experience in operation, maintenance and commissioning of various Rotating Equipments and Machinery related to Damietta Combined Cycle Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 1985  
: M. Sc. in Mechanical Power Engineering, Mansoura University, 2006

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AMPLISMA Programs

## TRAINING COURSES AND CERTIFICATIONS

: Course in steam turbines and its auxiliaries operation by Alstom Company.  
: Course in Non-destructive testing Techniques in Central Metallurgical Research and Development Institute "CMRDI".  
: Course in "Overhead Cranes Maintenance" from KONECRANES France.  
: Course in "Operation and Maintenance of Sewage Treatment Plant".

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2002 till now  
**Project** : Damietta Combined Cycle Power Station 1230MW:  
(6 GT x135MW + 6 HRSG x250 t/h + 3 ST x140MW)  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :

- Supervising the Preventive Maintenance for the Equipments:
  - Check the Lube Oil System (Pump, Filter, Vapour extractor, etc.).
  - Check the Fuel Oil System (Pump, Filter, etc.).
  - Check the Fuel Gas system (Leakage, etc.).

- Supervising the Minor Inspection for the Gas Turbines Units (Siemens Germany, V 94.2, 135MW, Dual-Fuel Gas/Oil):
  - Check filter house and change the filters if high pressure difference.
  - Check intake casing for dirt accumulation.
  - Check blade cleaning device.
  - Check compressor stage 0 stator blades for dirt accumulation, impact of foreign bodies, corrosion, coating wear and cracks.
  - Check compressor stage 1 rotor blades for impact of foreign bodies, corrosion, coating wear and cracks.
  - Check radial gap for compressor stage 1 rotor blades.
  - Check dual-fuel burner for dirt accumulation, corrosion and cracks.
  - Check flame tube plate for dirt accumulation, corrosion, deformation and crack.
  - Check flame tube with refractory bricks for corrosion, damage and looseness.
  - Check over lap between flame tube and mixing chamber for cracks and grooves.
  - Check radial gap between flame tube and mixing chamber.
  - Check mixing chamber for cracks.
  - Check overlap between mixing chamber and inner casing for wear and grooves.
  - Check radial gap between mixing chamber and inner casing.
  - Check inner casing for corrosion.
  - Check gap circumference between inner casing and stage turbine stator blades.
  - Check stage 1 turbine stator blades for impact of foreign bodies, corrosion and cracks.
  - Check radial gap for stage 1 turbine rotor blades.
  - Check exhaust gas duct for cracks and dirt accumulation.
  - Check radial blade clearances for turbines stage 4 rotor blades.
- Carrying out & Supervising The Major Overhaul for The Gas Turbines Units:
  - Open the unit and carrying out the maintenance for the compressor, combustion chamber and turbine.
  - Making commissioning for the unit after major inspection and reassembling.
  - Visual check for the filter house, compressor inlet area, combustion chamber and turbine outlet.
  - Adjustment of inlet guide vanes.
  - Bow-off System test.
  - Lube oil system test.
  - Flame Detectors Test.
  - Ignition Gas System Test.
  - Fuel Gas and Fuel Oil valves Test.
  - Safety and Protective Equipment.

**Dates** : From Jan. 1999 till Aug. 2002  
**Project** : Damietta Combined Cycle Power Station 1230MW  
**Job title** : Shift Engineer  
**Job Description** : • Carrying out all electrical and mechanical isolation for maintenance or breakdown.

- Fault finding and troubleshooting during normal shift operation.
- Re-commissioning, logic, interlock and protection checks and start-up of the units after maintenance.

**Dates** : From Sep. 1991 till Jan. 1999  
**Project** : Damietta Combined Cycle Power Station 1230MW  
**Job title** : Operation Engineer  
**Job Description** :
 

- Operating the Gas Turbines 6x135MW (Siemens Company).
- Operating Steam Turbines 3x140MW (Alstom Company).
- Operating Heat Recovery Steam Generators 6x250 tons/hrs.
- Operating Diesel Generators 2x2.4MW.
- Operating Switch Gear Station 220KV isolated by SF6.

**Dates** : From Jan. 1990 till Aug. 1991  
**Employer** : DAELIM INDUSTRIAL Co. LTD  
**Job title** : Mechanical Erection Engineer  
**Job Description** :
 

- Erection of Fire Fighting, Raw Water and Service Water Pipe lines.
- Erection and Commissioning of Fire Fighting system consisting of Fire Hydrant, Water Spray and Fire Sprinklers Systems.

**Dates** : From Mar. 1989 till Jan. 1990  
**Employer** : SADLMI Co.  
**Project** : Cairo South Power Station  
**Job title** : Mechanical Engineer  
**Job Description** : Erection and Commissioning GE Gas Turbines and auxiliaries.

**Dates** : From Aug. 1988 till Mar. 1989  
**Employer** : SADLMI Co.  
**Project** : Damietta Power Station  
**Job title** : Mechanical Engineer  
**Job Description** : Erection Siemens Gas Turbines and auxiliaries.