

Holds a B. Sc. in Mechanical Engineering and has about 20 years hands-on experience in power plants operation, commissioning and start-up. In addition, he has a complete knowledge of both electrical and I&C systems of power plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/02/1965  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 1988

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2005 till now  
**Employer** : PGESCo  
**Project** : Nubaria Combined Cycle Power Station 2x750MW  
**Job title** : Shift Operator Consultant Engineer  
**Job Description** :

- Start-up & operation of Siemens gas turbine (250MW).
- Responsible for SFC, SEE (starting-excitation) systems tests.
- Responsible for start-up, operate electrical distribution, cooling water, lube oil, hydraulic oil, instrument air, fire fighting, gas detection, pulse air systems.
- Start-up & operation of HRSG Alstom type after chemical cleaning, steam blow.
- Start-up & operation of Mitsubishi steam turbine (250MW).
- Start-up & operation of cooling water, service water, circulating water, electrical distribution.
- Instrument air, hydrogen charging, vacuum pumps, condensate, depress filter, ball cleaning.
- By bass systems.

**Dates** : From May 2000 till May 2005  
**Employer** : Ministry of Electricity  
**Project** : Damanhour Combined Cycle Power Station  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Leading operation team to follow dispatch orders (start-s/d-raise-reduce load).
- Accomplish the plant before starting (electrical distribution system, gas turbine as a simple cycle).
- Instrument air system, cooling water system, demi water plant, condensate system, steam seal system, quick and holding ejector system, steam turbine as a combined cycle).
- Responsible for electrical maneuvers.
- Supervisor on maintenance works.
- Open and prepare work permits to maintenance team and make isolation works (electrical-mechanical).
- Restore work permits after work.

**Dates** : From 1994 till 2000  
**Employer** : Ministry of Electricity  
**Project** : Damanhour Combined Cycle Power Station:  
Gas turbine HRSG (NEM), Steam turbine (GE)  
**Job title** : Disk Operator Engineer  
**Job Description** :

- Operate and shutdown the units according dispatch requests.
- Keep the units in service as required and prepare troubleshooting reports before maintenance works.

**Dates** : From 1991 till 1994  
**Employer** : Ministry of Electricity  
**Job title** : Gas Turbine Operator Engineer  
**Job Description** :

- Operate and shutdown 25x4MW HITACHI gas turbine frame 5 by Mark II as a simple cycle.
- Prepare troubleshooting reports.
- Coordinate with maintenance team.

**Field of experience** :

- Experience in operating, commissioning of large gas turbines units up to 250MW.
- Experience in operating, commissioning of combined cycle units up to 750MW / Module with DCS control system.
- Experience in operating, commissioning of utilities, pumps, compressors, fans, blowers, tanks, pressure vessels, various control valves.
- Experience in start-up, all tests of generators, chemical cleaning, steam blow of HRSGs, fire fighting systems and water treatment.
- Experience in operating maintenance system as job request, work orders, system defects, reviewing of all maintenance works.
- Experience in all HV switching operations in electric power systems up to 500KV.
- Experience in safe isolation & restoration procedures of power plant equipments (PTW) for maintenance work.

- Experience in operating fuel oil treatment plant (F.O.T.P.).
- Experience in normal emergency operation of various power plant systems, making troubleshooting corrections.
- Participation excellent writing of engineering reports.