100310-MEC-CMOS-E-2001
Mechanical Engineer

Holds a B. Sc. in Mechanical Power & Energy Engineering and has more than 8 years hands-on experience in construction, operation, maintenance and commissioning of Combined Cycle Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	31/03/1979
Marital Status	:	Married

EDUCATION

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

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

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

: MS Project

TRAINING COURSES AND CERTIFICATIONS

: On-shore Basic Operation Training for Gas Turbine V. 9FA under the direction of GE in Nubaria Power Station, from Feb. till Apr. 2009.

: Training course in Japan (Aug./Sep. 2005), under the direction of Mitsubishi Heavy Industries Ltd. Nagasaki Shipyard & Machinery Works, covered the following:

- Turbine governing system.
- Operation of steam turbine.
- DEH control.
- ATS control.
- Turbine Inter lock.
- Turbine Control System.
- Auxiliary Equipment control.
- MHI Factories tours.
- General description of steam turbines.
- Surface condenser.

- Gland steam condenser & fan.
- Lube oil cooler.
- Condenser vacuum pump.
- Lube cleaning system.
- Debris filter.
- Condenser water vacuum pump.

: Training Course in Japan (Kobe and Takasago), Sep. 2005, under the direction of Mitsubishi Electric Corporation Energy Systems Center, covered the following:

- Operation for Generator & Generator Auxiliary Systems.
- Maintenance for Generator & Generator Auxiliary Systems.
- Generator Design & Structure.
- Generator Auxiliary Systems.
- Generator Excitation Systems.
- Generator Protection & Control Systems.

: On-shore in Nubaria Power Station (Jul. 2006), under the direction of Mitsubishi Electric Corporation Energy Systems Center, covered the following:

- Generator Design & Structure.
- Generator Auxiliary Systems.
- Maintenance for Generator & Generator Auxiliary Systems.
- Operation for Generator & Generator Auxiliary Systems.

: On-shore in Nubaria Power Station, under the direction of Mitsubishi Heavy Industries, covered the following:

- Steam Turbine Gland Sealing and Vacuum up test.
- Steam Turbine Rolling and Speed up test.
- By Pass Operation.
- No Load Operation.
- Part Load & Full Load Operation.
- 25%, 50%, 75% and 100% Load Rejection test.
- Normal Operation & Trouble Shooting.

: Basic Operation Training for Gas Turbine V.94.3A (Apr. 2004), under the direction of Siemens PG in Damanhour, covered the following:

- Introduction to the plant.
- Electrical and I&C part.
- Gas Turbine.
- Plant operation.

: Operation and Maintenance of Combined Cycles (Feb./Mar. 2004), Damanhour, by West Delta Production Company (WDEPCO).

: Another Training Course at Nubaria Power Station Site in:

- Service & Instrument Air Compressors by Initec Energia.
- Service, raw and closed cooling pumps by KSB.

: Continuous Emission Monitoring Control System, ALTEC Environment Technology - USA, held in Nubaria Power Station (4 days in May 2005).

: Mechanical Maintenance (EL-EZZ STEEL REBARS Co.), conducted in EL-EZZ STEEL COMPANY (2 weeks in Aug. 2000).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2010 till now
Employer : NEM
Project : El-Atf Combined Cycle Power Station 750MW (2x2x1)
Job title : HRSG Commissioning & Operation Engineer
Job Description :

- Commissioning and testing for large capacity HRSG.
- Operation of HRSG during steam blow activities.
- Operation large capacity HRSG during reliability and performance test.
- Very good knowledge with yokogawa DCS system version CENTUM CS3000.

Dates : From Feb. 2008 till Mar. 2010
Employer : Middle Delta Electricity Production Company (MDEPCO)
Project : Nubaria Combined Cycle (3x750MW) Power Station
Job title : Senior Shift Charge Engineer
Job Description :

- Two Modules, each module consists of:
  - Two Siemens combustion gas turbine 250MW type V94.3a.
  - Two Alstom horizontal type heat recovery steam.
  - One Mitsubishi steam turbine 250MW type TC2F HP, IP and LP steam lines.
- One Module consists of two GE combustion gas turbine 250MW type 9FA.
- 220KV switchyard.
- 500KV switchyard.
- Four tie transformers 500/220KV.
- Medium (6.3KV) and low (400V) voltage switchgear.
- Besides I do training courses for new Engineers and Technicians.

Dates : From Oct. 2005 till Feb. 2008
Employer : Middle Delta Electricity Production Company (MDEPCO)
Project : Nubaria Combined Cycle (3x750MW) Power Station
Job title : Operation Engineer
Job Description :

- Mitsubishi Steam Turbine (2x250MW) commissioning, start-up, reliability, performance tests and operation.
- Basic operation of Siemens Gas Turbine (4x250MW) type V94.3A.
- Basic operation of ALSTOM horizontal type heat recovery steam generator and steam blow.

Dates : From Dec. 2004 till Sep. 2005
Employer : Middle Delta Electricity Production Company (MDEPCO)
Project : Nubaria Combined Cycle (3x750MW) Power Station
Job title : Construction Engineer

Job Description	:	Responsible of reviewing all technical submittals and inspection types of valves and pumps as TERMOMECHANICA and KSB pumps.
Dates	:	From Oct. 2003 till Dec. 2004
Employer	:	ISCO (Integrated Services Co.), Seconded to Electricity and Water Ministry
Project	:	Doha West Thermal Power Station 8x300MW – KUWAIT
Job title	:	Mechanical Maintenance Engineer
Further experiences	:	• KHARAFI NATIONAL – Damietta Simple Cycle Power Station 500MW, GE Gas Turbine Commissioning, Start-up & Operation Engineer. • Operation Engineer in Damanhour Combined Cycle Power Station (160MW): Four GE gas turbines (4x25MW), Four NEM HRSG vertical type, One GE steam turbine (60MW), 220KV switchyard, 66KV substations.