100141-MEC-CMOS-E-1993
Power Plants Operation & Commissioning Manager

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Stations. Has over 17 years hands-on experience, including 13 years in operating Steam Turbine, Boiler and Auxiliaries of Combined Cycle Power Plants. Has also worked as a Water Treatment Systems Maintenance Engineer.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	29/08/1969
Marital Status	:	Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 1993

: Diploma in Power Stations, Assuit University, 2004

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access), Internet

: MS Project

TRAINING COURSES AND CERTIFICATIONS

: Safe and Efficient Operation and Maintenance of the Boiler, Turbine, Generator and Auxiliaries, training conducted by Assuit Thermal Power Plant training department for 2x325MW (Mitsubishi/Toshiba and Ansaldo Energia), Nov. 1997 till Feb. 1998.

: Training course in the administrative & leadership skills (8 months) in the Leadership Development Centre of the Ministry of Electricity & Energy in the following topics:

- Effective communications (40 hours).
- Leadership & Motivation (72 hours).
- Team building (40 hours).
- Process analysis & Root cause analysis (120 hours).
- Accounting (64 hours).
- Effective management (40 hours).
- Time management (40 hours).
- Delegation (40 hours).
- Project management (64 hours).

- Negotiation (16 hours).
- Strategic planning (56 hours).
- Change management (56 hours).
- Business English (160 hours).

: ICDL certificate

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2011 till now

Employer : EGYPTROL – subcontractor to ABB Mannheim

Project : Erbil II Gas Power Station – IRAQ (Simple Cycle Power Plant):

- Four GE Frame 9E.
- BRUSH air cooled Generator.
- ABB DCS.
- Fuel oil system & Gas System Rotring and Alfa Laval:
  - Unloading system Rotring.
  - Fuel Treatment Transfer skid Rotring.
  - Fuel Treatment Separators skid Alfa Laval.
  - Forwarding system Rotring.
  - Fuel oil heating unit Rotring.
  - Gas unit Rotring.
- Main Step Up Transformer 15/132KV.
- Unit Aux Transformer 15/6.6 KV.
- Cooling water system with Fin Fan coolers.

Job title : Commissioning Manager

Job Description :

- Prepare commissioning schedule and test plan.
- Prepare and maintain all site operation documentation and check lists.
- Stipulate the coordination of work with other suppliers (e.g. Process Engineer).
- Supervise preparation, installation and maintenance of commissioning equipment.
- Supervise integrated test during cold and hot commissioning.
- Manage change requests.
- Supervise quality documentation.
- Write commissioning log book.
- Release and organize reliability run and performance test.
- Information of commissioning staff in regard of site regulations and safety aspects.
- Perform training on the job for customer personal.
- Report all abnormal events to the project management.
- Report the progress to project management.
- Participation in meeting, briefings, task force meetings etc.
- To follow strictly all orders, regulations etc. given by the site management (e.g. wearing of safety helmets, etc.).

Dates : From Oct. 2010 till May 2011

Employer : EGYPTROL – subcontractor to ABB Mannheim

Project : DOHUK Gas Power Station, IRAQ:
Simple Cycle Power Plant:

- Four GE Frame 9E.
- GE air cooled Generator.
- ABB DCS.
- Fuel oil system & gas system Rotring and Alfa Laval:
  - Unloading system Rotring.
  - Fuel treatment transfer skid Rotring.
  - Fuel treatment separators skid Alfa Laval.
  - Forwarding system Rotring.
  - Fuel oil heating unit Rotring.
  - Gas unit Rotring.
- Main Step-up Transformer 15/132KV.
- Unit Aux Transformer 15/6.6KV.
- Cooling water system with Fin Fan coolers.

Job title : Commissioning Manager

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- Prepare and maintain all site operation documentation and check lists.
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- Supervise quality documentation.
- Write commissioning log book.
- Release and organize reliability run and performance test.
- Information of commissioning staff in regard of site regulations and safety aspects.
- Perform training on the job for customer personal.
- Report all abnormal events to the project management.
- Report the progress to project management.
- Participation in meeting, briefings, task force meetings etc.
- To follow strictly all orders, regulations etc. given by the site management (e.g. wearing of safety helmets, etc.).

Dates : From Aug. 2009 till Oct. 2010

Employer : EGYPTROL (Commissioning subcontractor for El-Atf CCPP)

Project : El-Atf Combined Cycle Power Plant 750MW (2x2x1):

- 2 MHI Gas Turbine, 250MW each.
- One Ansaldo Steam Turbine 250MW with HP, IP and LP turbine.
- HP and IP bypass system.
- NEM HRSG with HP, IP and LP drums.
- BOP including: HP/IP and LP feed water pumps, condensate pumps, main cooling pumps, closed cooling with plate heat exchanger LHE, service water pumps, Demi pumps, inst & service air compressors, Raw water pumps and potable water systems, etc.

Job title : Mechanical Commissioning & Operation Leader

Job Description :

- Lead the BOP commissioning and operation team.
- Responsible for the work permit.
- Make the test sheet for the equipments.

- Make the daily report.
- Attending daily meeting with the client and other contractors.
- Lead the steam blowing activities.
- Lead the chemical cleaning activities.

Dates : From Feb. 2008 till Aug. 2009

Employer : Upper Egypt Electricity Production Company

Project : Assuit Thermal Power Plant (2x312MW):
2x325MW Steam Power Plant:

- Mitsubishi Forced Water Circulation Dual fired (NG.HFO) Boiler with ABC Control.
- Toshiba T/G and its auxiliaries.
- HP/LP Bypass system.
- Toshiba DAS.
- Mitsubishi BOP
- Ansaldo natural water circulation, face to face burner firing (NG.HFO) with Infi 90 control system.

Job title : Head of Water Treatment Maintenance Dept.

Job Description :

- Lead and coordinate of water treatment maintenance department activities.
- Making overhaul maintenance for water treatment plants including clarifiers, sand gravity filters, centrifugal pumps (vertical & horizontal), dosing pumps, compressors, blowers, cat ion tanks, anion tanks and mixed bed tanks.

Dates : From Aug. 2006 till Jan. 2008

Employer : Upper Egypt Electricity Production Company

Project : Assuit Thermal Power Plant

Job title : Shift Charge Engineer

Job Description :

- Supervise the operational testing, start-up and shut down of the plant equipment.
- Perform isolation and safety tag out of equipment.
- Train operators for the proper equipment operation.
- Participate in development of operations procedures.
- Start-up and shut-down procedures for thermal power plant 2x312MW (Cold, Warm and Hot Start-up and normal or emergency shut-down).
- Familiar with DCS operating system.
- Turbine & Auxiliaries operation (Toshiba & Ansaldo) and reporting the equipment condition during normal operation.
- Boiler & Auxiliaries operation (Mitsubishi & Ansaldo) and reporting the equipment condition during normal operation.
- Testing and changing-over for all mechanical equipment locally and from control room.
- Good dealing with hydrogen production plant and all mechanical equipment.
- Making connection and disconnection for electrical circuits of 220KV, 6.3KV, 380V and operation of electrical diesel generators.
- Familiar with Toshiba & Bailey control system (i.e. control stations & monitors).

- Co-operating with Mitsubishi Company in internal chemical cleaning of 1085 Ton/hour water tube boiler.
- Familiar with external chemical cleaning of super heaters & reheaters of 1085 ton/hour steam generator.
- Familiar with internal chemical cleaning of condenser tube side.
- Familiar with HVAC systems and diesel generators.
- Making daily technical reports about the units abilities & efficiencies.

Dates : From Jul. 2007 till Oct. 2007
Employer : KOCH/SIEMENS Consortium
Project : Al Naserria Power Plant extension – SYRIA:
Combined Cycle Plant:
- 3 Fiat Avio gas turbine, 115MW each.
- One Siemens Steam Turbine 150MW with HP and LP turbine.
- Siemens Air Cooled Generator.
- HP and LP bypass system.
- Direct contact jet condenser cooled by dry air cooling tower.
- NEM HRSG with HP and LP drums and forced recirculation pumps.
- BOP including: HP and LP feed water pumps, RO Demi plants, Condensate polisher, Raw and sanitary water systems, etc.

Job title : Start-up & Shift Charge Engineer
Job Description : Responsible for conducting plant start-up activities during the shift, managing the shift team and coordinating activities with Commissioning Manager and PTW Engineer.

Dates : From May 2005 till Aug. 2006
Employer : Upper Egypt Electricity Production Company
Project : Assuit Thermal Power Plant (2x312MW):
Change water wall, flue gas ducts for unit 1 and change Reheat, Superheat for unit 2
Job title : Erection & Re-construction Boiler Engineer
Job Description :
- Leading the teamwork to re-construct water wall, flue gas ducts, reheat and superheat.
- Repairing the welding procedure specification.
- Attending the following welding tests types:
  - Penetration test.
  - Magnetic particle test.
  - Ultra sonic test.
  - Radio graphic test (x-ray).

Dates : From Nov. 1997 till May 2005
Employer : Upper Egypt Electricity Production Company
Project : Assuit Thermal Power Plant
Job title : Operation Engineer
Job Description :
- Start-up and shut-down procedures for Thermal Power Plant 2x312MW (Cold, Warm and Hot Start-up and normal or emergency shut-down).
- Turbine & Auxiliaries operation (Toshiba & Ansaldo) and reporting the equipment condition during normal operation.
- Boiler & Auxiliaries operation (Mitsubishi & Ansaldo) and reporting the equipment condition during normal operation.

- Testing and changing-over for all mechanical equipment locally and from control room.
- Good dealing with hydrogen production plant and all mechanical equipment.
- Making connection and disconnection for electrical circuits of 220KV, 6.3KV, 380V and operation of electrical diesel generators.

Dates	:	From Oct. 1996 till Oct. 1997
Employer	:	National Authority for potable water and drainage
Project	:	Four Pump Stations at Manfalot City, Assiut (with trash racks and travelling screens system)
Job title	:	Construction Engineer

Dates	:	From Oct. 1994 till Jun. 1996
Employer	:	Military Authority
Project	:	Central air condition system for sporting hall at Ismailia, consisting of: chillers, circulation pumps and air handling units, air dampers and air ducts.
Job title	:	Construction Engineer