

Holds a B. Sc. in Mechanical Power Engineering and has over 34 years experience in fossil fuel power generating plants from testing through start-up and operation. Expert in mechanical systems with high experience in electrical, I&C, turnover packages and performance testing.

## PERSONAL DATA

Nationality : Egyptian  
Birth Year : 1965  
Gender : Male  
Marital Status : Married  
Residence : Tanta, Egypt

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, Egypt, 1987

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: MS Project

## TRAINING COURSES AND CERTIFICATIONS

- : 30 Hours PMP training for PMP Examination.
- : Occupational safety and health Administration training (OSHA), 30 hours course by American University.
- : Advanced Operation & Maintenance Training, Schnactady, New York, for El-Kureimat Thermal Power Station. Training offered by GE Turbine Generator and Boiler Feed Water Pump.
- : Off-Site Training in Japan, Training Course of the Safe and Efficient Operation and Maintenance of the Boiler, Turbine, Generator and Auxiliaries, offered by Mitsubishi and Toshiba for Assiut Thermal Power Plant Unit No. 1 (1x325MW).
- : Advanced Operation Training, Shoubra El-Kheima Thermal Power Plant (4x325MW), Ansaldo Front & Rear Natural gas: HFO fuel, Natural Circulation Boiler, Westinghouse T/G, training offered by Bechtel and EEA.
- : FIDIC Contracts understanding and use course, AUC Cairo.

# CHRONOLOGICAL EXPERIENCE RECORD

- Date** : From Sep. 2008 till now  
**Employer** : EGYPTROL  
**Projects** :
  - Layyah Simple Cycle Power Plant 2x390MW – El-Sewedy / Mitsubishi Power, UAE
  - Assiut Thermal Supercritical Power Plant 1x750MW, AC Boiler
  - Cairo West Thermal Supercritical Power Plant 1x750MW, AC Boiler
  - South Helwan Thermal Supercritical Power Plant 3x750MW, AC Boiler
  - Hail CC Power Plant – Al-Tokhy Company, Saudi Arabia
  - Beni Suef Combined Cycle Power Plant 4800MW – Siemens
  - New Capital Combined Cycle Power Plant 4800MW – Siemens
  - Al-Burullus Combined Cycle Power Plant 4800MW – Siemens
  - Suez Thermal Power Plant 1x650MW – Ansaldo Caldaie
  - South Jeddah Thermal Power Plant 4x750MW – Hyundai Heavy Industries (HHI)
  - Assiut Simple Cycle Power Plant 8x125MW GE (gas fired)
  - Damietta Simple Cycle Power Plant 4x125MW GE (gas fired)
  - Banha Combined Cycle Power Plant (1x750MW Gas fire)
  - Qurrayahh Independent Power Plant (QIPP 6x750MW CCPP)
  - 6<sup>th</sup> of October Power Plant 4x150MW Gas Fired ANSALDO GTs
  - Abu Qir 2x650MW Gas/Oil fired Boilers
  - IRAQ – Erbil - Gas Turbine Power Plant 2x125MW GE
  - IRAQ – Al-Solaimanyah - Gas Turbine Power Plant 2x125MW GE
  - IRAQ – Dohuk - Gas Turbine Power Plant 4x125MW GE Gas T.
  - El-Atf Combined Cycle Power Plant (1x750MW Gas Fired)
  - Sidi Krir Combined Cycle Power Plant (1x750MW Gas Fired)
- Job title** : Company Commissioning Manager  
**Job Description** : Manage and coordinate all commissioning projects activities, starting from prepare commissioning proposals, prepare time schedules, select staff members, follow up execution, resolve site issues and conflicts, etc.
- Date** : From Nov. 2010 till Dec. 2011  
**Employer** : EGYPTROL, Seconded to SOCOIN (Project Consultant)  
**Project** : DEIR ALI 2 Extension CCPP 750MW (2x2x1) – SYRIA  
**Job title** : Mechanical Expert & Training Coordinator  
**Job Description** :
  - Lead the site design review team and coordination meetings.
  - Act as Deputy Site Manager.
  - Issued the training inception report.
  - Prepare the training time schedule.
  - Conduct on-job training for owner's engineers.
- Dates** : From Jan. 2008 till Aug. 2008  
**Employer** : KOCH/MAN Consortium Company – Iran

- Project** : Fajr 1 Petrochemical & Power Generation, IRAN:
- Two gas turbines General Electric (GE) frame 9E (125MW each).
  - The control Mark V.
  - Generator (ALSTOM).
- Job title** : Commissioning & Start-up Leader
- Job Description** :
- Prepared the commissioning program in Microsoft Project.
  - Assign all commissioning staff daily activities.
  - Prepare the equipment check lists.
  - Evaluate and report daily and weekly activities progress.
  - Review and test the complete operating logics functions.
  - Lead cold and hot function tests of the unit.
  - Conducted the water and oil systems flushing.
  - Participate in conducting the reliability run test.
  - Conduct Client Training (two weeks class/site) on behalf of GE.
- Dates** : From Feb. 2007 till Dec. 2007
- Employer** : KOCH/SIEMENS Consortium Company
- Project** : Al Naserria Power Plant Extension – SYRIA:  
The project consists of:
- 3 units of combined cycles which have 3 Fiat Avio gas turbines, 115MW each (existing) + one steam turbine Siemens 150MW.
  - NEM HRSG, forced recirculation pumps.
- Job title** : Start-up & Shift Charge Engineer
- Job Description** :
- Responsible for cold and hot function tests of the unit.
  - Conduct the water systems flushing and boiler chemical cleaning.
  - Conduct the boiler and steam piping blowout.
  - Participate in conducting the reliability run test.
  - Prepare the operation instructions documents for each alarm signal.
- Dates** : From Dec. 2006 till Feb. 2007
- Employer** : ALSTOM – PEMCO (Power Equipment & Materials Co. LTD)
- Project** : Rabigh Power Plant – KSA:
- Overhaul for unit 2 & 4, 2x260MW Crude/HFO fired CE drum type controlled circulation reheat boiler.
  - MHI steam turbine.
  - MHI H2 cooled Generator.
  - MHI sea water cooled Condenser.
- Job title** : PTW & Coordination Engineer
- Job Description** :
- Define units existing problems to be corrected during the overhaul by analyzing all the units operating parameters before shutdown.
  - Responsible for issuing all plant permits to work during the overhaul.
  - Leading all coordination meetings between the Client and the overhaul Contractor Team.
  - Responsible for conducting Boiler performance tests prior and following the overhaul.
- Dates** : From Oct. 2005 till Jul. 2006
- Employer** : ALSTOM POWER

**Project** : Shoaiba Power Station Stage 2 – KSA:

- 6x400MW Crude/HFO fired CE drum type controlled circulation reheat boiler.
- ABB condensing steam turbine.
- ABB H2 cooled Generator.
- ABB sea water cooled Condenser.
- ABB control system ADVANT Emergency & Black start diesel Generators, Fuel handling system, Auxiliary boiler system, Hydrogen production system and all other BoP equipment.

**Job title** : Shift Leader

**Job Description** :

- Coordinate and monitor systems flushing procedures, steam blows.
- Coordinate and monitor systems pneumatic and hydrostatic testing.
- Supervise the operational testing, commissioning and start-up.
- Perform isolation and safety tag out of equipment.
- Equipment operation training for the Client personnel.
- Developed the unit cold start-up curves that proved success.
- Participate in the Reliability and Performance testing.
- Conduct all the plant tests on completion (Run-back, Load rejection, different equipment change over tests and all unit overhaul automatic cold, warm and hot start-up operation demonstration).

**Dates** : From Oct. 2004 till Oct. 2005

**Employer** : PGESCo. (Power Generation & Engineering and Service Company)

**Project** : Nubaria Power Station (2x750MW Combined Cycle) consists of:

- 4x250MW SIEMENS Gas Turbine.
- ALSTOM Heat Recovery & DCS.
- Mitsubishi Heavy Industry Steam Turbine.
- METITO Water treatment.
- CONSYS Switchyard live line wash system.
- INITEC Balance of Plant.

**Job title** : Lead Mechanical Start-up Engineer

**Job Description** :

- Support engineering, operation by scoping for drawings to finish the simple cycle at the target date.
- Participate in preparing the plant construction Contract Packages.
- Review the commissioning procedures and support the contractors to meet the project schedule.
- Review, approve and accept all plant cold & hot function tests.
- Prepare for flushing, chemical cleaning and steam blow-out.

**Dates** : From Apr. 2001 till Jul. 2004

**Employer** : ALSTOM POWER

**Project** : Shoaiba Power Station Stage 1 – KSA:  
5x400MW Crude/HFO fired (same description as above).

**Job title** : Shift Charge Engineer

**Job Description** : Same duties as above.

**Dates** : From Jan. 2000 till Apr. 2001

**Employer** : PGESCo. (Power Generation & Engineering and Service Company)

**Project** : Ayoun Moussa Thermal Power Station 2x320MW

**Job title** : Start-up & Shift Charge Engineer

**Job Description** : 

- Review the commissioning procedures and support the contractors to meet the project schedule.
- Review, approve and accept all plant cold & hot function tests.
- Prepare for flushing, chemical cleaning and steam blow-out.
- Participate in the Reliability and Performance testing.
- Conduct all the plant tests on completion (Run-back, Load rejection, different equipment change over tests and all unit overhaul automatic cold, warm and hot start-up operation demonstration).

**Dates** : From Jul. 1999 till Nov. 1999

**Employer** : ABB SIM - Jorf Lasfar Energy Company (JLEC)

**Project** : Jorf Lasfar Thermal Power Station Units 3 & 4 – MOROCCO: 2x345MW Forced Circulation, Coal/HFO Fired, ABB (Combustion Engineering) design boiler, ABB (Power Generation Limited) Turbine/Generator & DCS, ABB (Sae Sadelmi) B.O.P., Aquatech Water Treatment System.

**Job title** : Commissioning & Start-up Engineer

**Dates** : From May 1999 till Jul. 1999

**Employer** : Babcock Wilcox (B&W)

**Project** : Ayoun Moussa Thermal Power Station 2x320MW: Natural circulation boilers (2 boilers and auxiliary boilers). Forced draft fans and Gas recirculation fans and 18 burners.

**Job title** : Commissioning Engineer

**Dates** : From May 1996 till May 1999

**Employer** : Egyptian Electricity Authority (EEA)

**Project** : El-Kureimat Thermal Power Station: 2x627MW Natural Circulation, Natural gas/HFO Fired B&W "El Paso" design boiler, GE T/G with Mark V control, Fisher HP/LP Bypass System and Westinghouse WDPF (DCS). Bamag Water Treatment System.

**Job title** : Shift Charge Engineer

**Job Description** : 

- Follow system flushes, steam blows & hydrostatic & pneumatic testing.
- Coordinate the operational testing, commissioning and start-up.
- Conduct isolation and safety tag-out of equipment.
- Train operators in safety and the proper care of equipment.

**Dates** : From Apr. 1990 till May 1996

**Employer** : Egyptian Electricity Authority (EEA)

**Project** : Assiut Thermal Power Station: 2x325MW Mitsubishi (CE designed) Forced circulation, Natural gas/HFO Fired Boiler with ABC Control, Toshiba T/G and its auxiliaries, HP/LP Bypass System, Toshiba DAS, Mitsubishi BOP.

**Job title** : Shift Charge Engineer

**Job Description** : 

- Design review for boiler, turbine and generator and BOP as per contract, tracking the progress and work quality of the mechanical contractors, primarily Toshiba, Mitsubishi, Ansaldo and SAE Sadelmi.
- Review welding procedure and perform inspection.

**Dates** : From Jan. 1988 till Apr. 1990  
**Employer** : Egyptian Electricity Authority (EEA)  
**Project** : Shoubra El-Kheima Thermal Power Plant:  
4x325MW Ansaldo N.G. /HFO Fired, Westinghouse T/G, HP/LP Bypass.  
**Job title** : Operation Engineer