

Holds a B. Sc. in Mechanical Power Engineering and has about 22 years hands-on experience working in operation, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/03/1973  
Gender : Male  
Marital Status : Married  
Residence : Currently Abu Dhabi – UAE

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Very Good  
German : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Training course for a new engineer in Abu Qir Power Station (from Jul. till Oct. 1997).
- : Training course for Boiler Operation by Babcock & Wilcox Company (Jun./Jul. 1998).
- : Training course for Steam Turbine Operation "DCS Controller" by Siemens Company (Aug./Sep. 1998).
- : Training course for Desalination Operation by Babcock-Hitachi K.K Company (Dec. 1998).
- : Training course for Utility Operation by Stone & Webston Company (Jan. 1999).
- : Intensive Training course for the Design, Maintenance and Operation of the Gas Turbine and for the Controller of the GT (Telephermer XP, DCS) (from Apr. till Oct. 2000).
- : "Balance Scorecard" Course in 2008.
- : Internal Audit Course on "Environment and Health & Safety" in 2011.
- : EHSMS Awareness in 2011.

- : "Hot Work – Safety in Cutting, Welding, Ionization Radiation" Course in 2013.
- : "Spill Management" Course in 2013.
- : Certificate of Participation for the training course of "Preparation for Authorization of Electricians Operation in Low and/or High Voltage in Oct. 2013 from "APAVE".
- : "Basic First Aid & Basic Fire Fighting" Course in 2014.
- : Certificate of Authorization to perform low and high voltage tasks in Taweelah A1 Plant as per NF C 18-510 Standard from "APAVE" in 2016.
- : "IOSH" working safety course in 2014.
- : Major Achievements:
  - "Certificate of Honor" Presented in Recognition and Appreciation of an Excellent Performance for 2007.
  - "Certificate of Appreciation" Safety Performance Award for 2012.
  - "Certificate of Achievement" Presented in Plant Operations Electronic Despatch and Logging.
  - "Certificate Awarded" Training Course in Technical Report Writing Skills.
  - "Certificate of Completion" Effective Performance Management.
  - "Certificate of Completion" Internal Auditor Training.
  - "Certificate of Completion" Incident Investigation & Root Cause Analysis.
  - "Certification of Completion" Electrical Training.
  - "Certificate of Completion" Effective Performance Management.
  - Analysis and identify with other departments the Operation Engineering Risk Assessment.
  - Analysis and identify with other departments the Risk Register for operation and maintenance.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2003 till now
- Employer** : Total Tractable Emirates O&M Company in Al Taweelah (UAE)
- Job title** : Shift Manager
- Job Description** :
- Working as a Shift Manager for a power plant which is consist of 10 GT/HRSG's "9E GT (107MW base load at RSC) Manufacture by GE & Boiler with Supplementary firing manufacture by NEM" (Turbine are controlled by MARK 5 & 6 "HMI" and Boiler & BOP (Pumps, Compressors, Feed Water Tanks, Air Cooled Condenser Fans, Steam Reducing Stations, Water Treatment Plant and Diesel Engine) controlled by DCS) and Three Back Pressure Steam Turbine (each 215MW) Manufacture by ALSTOM controlled by ADVANT and 14 unit of Sidem MED with 4 unit of sidem MSF for Sea Water Desalination total capacity of 84 MIGD and Desalination Auxiliary's such as: Coarse Bar Screen, Hypo chlorination Plant, Lime Treatment Plant and CO2 Plant also doing the operation of the Plant Switch Gears (11/6/0.4KV), CONTROL VOLTAGE 125/24VDC, and Synchronize the M/C's with the Grid Voltage 400/132KV.
  - My duty is to supervise the plant during normal operation to run with a good efficiency and a optimize the Heat Rate for the Plant also supervise the M/C's during start-up and shut down and follow the standard operating procedure for each, during the shift taking round around the plant to checking the that it is running with safe condition, Issue Permit to

Work and ensure that the Isolation of the equipment is carried out and all the hazard "Electrical, Mechanical and Chemical" on the equipment has been removed and it is safe to work and co-ordinate with the Load Dispatch Center and Water Control Center for Load changing/ Start-up & Shut Down M/C's/Availability of the M/C's.

- Assist Operation Manager, co-ordinate with Maintenance during break down (trip) / forced outage to reduce the un availability duration of the unit, attend the daily dispatch meeting to discuss the defects list and to plan next day work also attend the planned outage meeting during the winter outage with maintenance to ensure maintenance activities are matching with the time frame, chose the start-up / shutdown of the units to equalize the running firing Hrs, co-ordinate with BPP Dep. to ensure the units performance are maintained and to ensure unavailability quota are not exceed, co-ordinate with HR Dep.
- Co-ordinate with HR department to follow the Emiratization plan and the succession plan of the staff, co-ordinate with HSE dep. to obtain HSE ISO 9001and OSHA 14001, ensure all safety measures have been placed during maintenance and operation activities and to ensure plant operation emission and water reject are within the environmental regulation and water production is within the quality requirement by the regulation & supervision Bureau, co-ordinate with all other departments, co-ordinate with Load Dispatch Center regarding the winter planned outage of the units during annual maintenance and during planned outage for corrective maintenance, also co-ordinate with LDC for the routine programs such as fuel change over, on line & off line compressor wash as per PWPA, ensure that all standard operation procedures code of practice are updated and followed by staff, follow the objective for the department, work hard to achieve the company goals.

**Dates** : From Nov. 2001 till Apr. 2003  
**Employer** : Babcock Borsig Power Energie in Al-Taweelah Power (UAE)  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :

- Working as a Commissioning & Operation Engineer and Deputy Shift Charge Engineer.
- The refurbishment, rehabilitation, upgrading, extension, testing and re-commissioning of the Existing Plant (the "Plant Extension" and, together with the Existing Plant, the "A1 Plant") to a total net capacity of 1,670MW and 84 MIGD.
- The Power Plant was consists of 8 HRSG "9E GT (107MW base load at reference ambient temp. & press.) Manufacture by GE & Boiler with Supplementary firing manufacture by NEM" (Turbine are controlled by MARK 5 "HMI" and Boiler & BOP (Pumps, Compressors, Feed Water Tanks, Air Cooled Condenser Fans, Reducing Stations, Water Treatment Plant and Diesel Engine (controlled by DCS) and Three Back Pressure Steam Turbine (each 205MW) Manufacture by ALSTOM and Sidem's MED units for sea water desalination total capacity 84 MIGD.

**Dates** : From Apr. 2000 till Nov. 2001  
**Employer** : Siemens AG – Siemens Limited Company (Egypt)  
**Job title** : Shift Charge Engineer

**Job Description** : 

- Working for Siemens (Middle EC GTPP 3 x V64.3 (Gas Turbine Power Plant)) in Egypt Branch as a Shift Charge Engineer.
- The Power Plant contains of 3 (Siemens) Gas Turbine V64.3 type every one is 61MW base Load controlled by DCS and 2 (Mantrac) Gen. Diesels every one is 5 MW.
- Present in the Period of the Erection, helping the Commissioning staff and working in Operating the GTs, one GT is connected with the Grid, the 2nd is in Island Operation feeding a Petrochemical Company Controlled by DCS and the 3rd is Standby, the Two Diesels for Black and Emergency Start.
- Very good experience in DSC & ES systems.

**Dates** : From Oct. 1999 till Apr. 2000

**Employer** : Sidi Krir for Petrochemical Company (Egypt)

**Job title** : Supervisor on the Mechanical

**Job Description** : 

- Working for Sidi Krir for Petrochemical Company in Egypt through internal Contract from Egypt Electrical Authority, this Company is under Construction for product Poli Ethylene with 300Mt/year.
- My work was supervise the Mechanical works in the Project (Receive the Loops by check the loops as in Isometric, checking the Corresponding Fitting Material for the operating Press. & Temp. Liquid/Gas, Pressure/Hydro Tests and Reinstatement & Receive the Machinery (Pumps/Compressors/Turbines) with alignment.

**Dates** : From Jun. 1997 till Oct. 1999

**Employer** : Egypt Electrical Authority

**Job title** : Operation Engineer

**Job Description** : 

- Working for Egypt Electrical Authority in Egypt (Sidi Krir Power Station 2x325MW as an Operation Engineer (2 Condensate Steam Turbines) manufacture by Siemens & 2 Boilers 1000 t/hr. steam production each (manufacture by Babcock & Wilcox) & 2 Desalination Plants "MSF" 5000 m3/day, manufacture by Babcock-Hitachi K.K).
- Present in the Erection, Commissioning and Operation of the Plant, the Boiler (ABB Controller), Steam Turbine (DSC Controller), Desalination Plant and Balance of Plant Equipments (Pumps, Compressors, Heat Exchangers, Feed Water Tanks, Gas/Steam Reducing Stations and Water Treatment Plant) controlled by (ABB Controller).

**Dates** : From Sep. 1995 till Jun. 1997

**Employer** : Petrojet Company (Egypt)

**Job title** : Executive Engineer

**Job Description** : 

- Working for Petrojet Company in Egypt as an Executive Engineer in the following Projects:
  - Erection of Piping Network, Chemical Towers, Mechanical Equipments in Alex. Petroleum Company.
  - Laying of gas pipe Line (6") in Abu Madi (Petrobel Company).
  - Laying of gasoline pipe Line (28") starting from El-Amria Petroleum to Alex. Petroleum Company 20KM.
  - Construction of Spherical Tanks in Petrogas Company.
  - Installation of steel Structure in the Project of improving Solar in

El-Amria Petroleum Company.

- My job in the previous Projects including Supervision, Inspection and Testing of Welding in the Pipe Line and Hydro. Tests for the Loops.