

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Plant. Has over 27 years hands-on experience in operation, maintenance, construction, commissioning and management in many power plant projects.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/08/1969  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 1993  
: 2 years Diploma in Power Plant, Assiut University, 2005

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

- : Completed a training course in the administrative & leadership skills (8 months) in the Leadership Development Center of the Ministry of Electricity & Energy in the following topics (2009):
- 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 Jan. 2022 till now  
**Employer** : Shanahan Engineering LTD  
**Project** : PP13 Combined Cycle Power Plant (1800MW), KSA  
**Job title** : Commissioning Mech. Lead

**Dates** : From Apr. 2021 till Dec. 2021  
**Employer** : [EGYPTROL](#)  
**Project** : Layyah Combined Cycle Power Plant (1050MW) - Sharjah, UAE  
**Job title** : Commissioning Manager

**Dates** : From Sep. 2019 till Mar. 2021  
**Employer** : PGESCo.  
**Project** : 1x650MW Supercritical Assiut Thermal Power Plant:

- Doosan Steam Turbine (HP/IP and 2 LP double flow).
- Doosan H2 cooled Generator 23KV.
- HP/LP Bypass.
- AC (Ansaldo Caldaie) Supercritical steam generator (Howden FDF, GRF, AIR HEATERS) with DESP.
- Main Step Up Transformer TEBA 23 / 500KV.
- Unit Aux Transformer TEBA 23 / 6.6KV.
- Startup Transformer TEBA 220 / 6.6KV.
- BOP Pumps KSB.
- Service and Instrument air compressors Atlas Copco.

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

**Dates** : From Mar. 2016 till Aug. 2019  
**Project** : Basmaya CCPP 3000MW Baghdad – Iraq 8 x 9FA GE Gas Turbine and 4 x C7 GE Steam Turbine  
**Job title** : Plant Manager  
**Job Description** :

- Supervise the operations of a power plant, main KPIs (Reliability, availability, plant capacity), Spare Parts, and Outage programs.
- Monitor workers to keep a steady stream of electricity flowing to homes and businesses.
- Check that all equipment in the facility is up-to-date and performing to government and industry standards.
- Ensure that the plant meets energy production needs while staying within a set budget.
- Oversee the repairs and installation of equipment.
- Verifying that every employee is working according to the standards set forth by the Occupational Safety and Health Administration (OSHA). In keeping with these duties, report and record any safety violations and the actions taken to correct them.

**Dates** : From Mar. 2012 till Mar. 2016

**Employer** : Mass Group Holding Company

**Projects** :

- Sulaymaniah convert from SC to CC project 500MW (from Sep. 2013 – Jun. 2016), Kurdistan – Iraq, 2 x C7 GE Steam Turbine (Site Manager)
- DOHUK II Gas Power Station 4 x 9E. 500MW, Kurdistan – Iraq (from Oct. 2012 – Apr. 2013) (Site Manager)
- Sulaymaniah III Gas Power Station 2 x 9E 125MW, Kurdistan – Iraq (from Mar. 2012 - Sep. 2012)

**Job title** : Site & Plant Manager

**Job Description** :

- Managing, monitoring and interpreting the contract design documents supplied by the sub-contractors (Civil, Mechanical and Electrical).
- Day-to-day management of the site, including supervising and monitoring the site labor force and the work of any subcontractors.
- Overseeing quality control, health and safety matters on site.
- Preparing reports as required.
- Planning the work and efficiently organizing the plant and site facilities in order to meet agreed deadlines.
- Resolving any unexpected technical difficulties, and other problems that may arise.

**Dates** : From Dec. 2011 till Mar. 2012

**Employer** : [EGYPTROL](#) / Ansaldo

**Project** : 6th October Power Plant 4 x V94.2, Cairo  
Simple Cycle Power Plant:

- Four Gas Turbine V94.2.
- Air cooled Generator 15.7KV.
- ABB DCS "PGP".
- Fuel oil system & Gas System.
- Main Step Up Transformer 15.7/220KV.
- Unit Aux Transformer 15.7/6.6KV.
- Static Frequency Converter.
- Closed Cooling Water system with Fin Fan coolers.
- 2 set "FACO" Emergency diesel generators 2.5MW each one.
- Service and Instrument air compressors Ingersoll Rand "IR".
- Hydraulic Turning Gear.
- Hydraulic Clearance Optimizer System.

**Job title** : Commissioning & Start-up Team Leader

**Job Description** :

- Prepare Mechanical commissioning schedule and test plan.
- Responsible for commissioning and starting up the mechanical systems & equipment.
- Provide input and assist in the development of system turnover packages
- Generate a weekly report, tracking and reporting turnover of systems and documentation (Turnover Packages) from Construction to final turnover to Operations (Client/Owner).
- Report all abnormal events to the commissioning manager.

**Dates** : From Oct. 2010 till Dec. 2011

**Employer** : [EGYPTROL](#) / ABB

- Projects** : DOHUK I Gas Power Station 4 x 9E. and Erbil II Gas Power Station 4 x 9E. - Kurdistan Iraq  
Simple Cycle Power Plant:
- Four GE Frame 9E.
  - BRUSH & 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 & Start-up 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 Aug. 2009 till Oct. 2010
- Employer** : [EGYPTROL](#) / Toshiba
- Project** : EL-ATF CC Power Plant (Egypt) 750MW  
Combined Cycle Power Plant:
- 2 MHI Gas Turbines, 250MW each.
  - One Ansaldo Steam Turbine 250MW with HP, IP and LP turbine.
  - HP and IP bypass system.
  - H2 cooled Generators.
  - NEM HRSG with HP, IP and LP drums.
  - H2 plant EEL.
  - 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, instrument & service air

compressors, Raw water pumps and potable water systems, etc.

**Job title** : Commissioning & Start-up Team Leader

**Job Description** :

- Lead the BOP, HRSG and Steam turbine commissioning and operation team.
- Responsible for the work permit.
- Make the test sheet for the equipment.
- 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 Nov. 1997 till Aug. 2009

**Employer** : Upper Egypt Electricity Production Company

**Project** : Assiut Thermal Power Plant 2x320MW

**Job title** : Operation (10 years) & Maintenance (2 years) Engineer

**Job Description** :

Starting from Field Operator till the Operation Team Leader and the Deputy Manager of the water treatment department. As following:

- From Feb. 2008 till Aug. 2009 >>> Head of water treatment maintenance department at Assiut Thermal Power Plant (2x325MW):
  - 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.
  - 2x325MW Steam Power Plant comprising:
    - ❖ 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.
- From Jul. 2007 till Oct. 2007 >>> START-UP / SHIFT CHARGE ENGINEER (KOCH/SIEMENS CONSORTIUM) at Al Naserria Power Plant Extension in Syria 500MW:
  - Responsible for conducting plant start-up activities during the shift, managing the shift team and coordinating activities with Commissioning Manager and PTW Engineer.
  - Combined Cycle Plant comprising 500MW:
    - ❖ 3 Fiat Avio gas turbines, 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.
- From Aug. 2006 till Jan. 2008 >>> Shift Charge Engineer at Assiut Thermal Power Plant 2x325MW:

- 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 2x325MW (Cold, Warm and Hot Start up and normal or emergency shut-down).
- Familiar with DCS operating system.
- Turbine & Auxiliaries operation (Toshiba & Ansaldo).
- 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 generator 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 unit's abilities & efficiencies.
- From May 2005 till Aug. 2006 >>> Erection and Re-construction Boiler Engineer of (Boiler water walls, Reheat, Superheat and Flue Gas ducts) at Assiut Thermal Power Plant (2x325MW) (Change water wall, flue gas ducts for unit 1 and change Reheat, Superheat for unit 2):
  - Leading the teamwork to rehabilitation water wall, flue gas ducts, reheat, and superheat.
  - Repairing the welding procedure specification.
  - Attending the following welding tests types:
    - ❖ Penetration Test.
    - ❖ Magnetic particle Test.
    - ❖ Ultrasonic Test.
    - ❖ Radio graphic Test (x-ray).
- From Nov. 1997 till May 2005 >>> Operation Engineer (Desk Operator) at Assiut Thermal Power Plant:
  - Start-up and shut-down procedures for thermal power plant 2x325MW (Cold, Warm and Hot Start up and normal or emergency shut-down).
  - Turbine & Auxiliaries operation (Toshiba & Ansaldo).
  - 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

**Job Description** : Construction Engineer for (4) pump stations at Manfalot City – Assiut, Egypt, with Trash Racks and travelling screens system

**Dates** : From Oct. 1994 till Jun. 1996

**Job Description** :

- HVAC Construction Engineer for Sporting hall at Ismailia City - Egypt.
- The HVAC system consists of chillers, recirculation pumps, air handling units.

**Field of experience** : Over 27 years hands-on experience in operation, maintenance, construction, commissioning and management in many power plant projects and working in many sites such as:

- Assiut Thermal Power Plant 640MW, EGYPT.
- EL-ATF CC Power Plant 750MW, EGYPT.
- Dohuk Gas Power Plant 1000MW, Kurdistan IRAQ.
- Erbil CC Power Plant 1500MW, Kurdistan IRAQ.
- Sulaymaniah CC Power Plant 1500MW, Kurdistan IRAQ.
- Basmaya CC Power Plant 3000MW, IRAQ.
- Assiut Supercritical Thermal Power Plant 650MW, EGYPT.
- Layyah Combined Cycle Power Plant 1050MW, UAE.
- PP13 Combined Cycle Power Plant 1800MW, KSA.