

Holds a B. Sc. in Mechanical Production Engineering and has over 16 years hands-on experience, including 15 years working in operation, maintenance and start-up of gas turbines, steam and HRSGs.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/01/1981
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Mechanical Production Engineering, Zagazig University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Operation for Toshiba turbine & auxiliary.
- : Operation for Mitsubishi boiler & auxiliary.
- : Operation Ansaldo turbine & boiler & auxiliary.
- : Electrical and Mechanical operation training courses of GE gas turbine Mark VI control (MS 9001 FA) in El-Kureimat Training Center and site.
- : On-shore training Medium voltage 6.6KV and low voltage switchgear.
- : ALSTOM Steam Turbine Operation in Germany Mannheim Center (Jan. 2010).
- : ALSTOM Steam Turbine Operation & Control on-shore training in El-Kureimat Training Center and site.
- : Ansaldo Caldaie heat recovery steam generator, Milan - Italy (Mar. 2014).
- : CMI HRSG Operation on-shore training in El-Kureimat Training Center and site.
- : On-shore training for ALSPA P320 (DCS) Control System (general presentation P320 Centralog, Controbloc & Engineering Tool P320 ControCAD).
- : GE gas turbine mechanical training in BANHA for 1 month.

- : Training for Feed water pumps (HP, LP, condensate).
- : GIS operation training in BANHA.
- : Off-shore training for Alstom Steam Turbine operation in Alstom factory in Germany for one month, included: overview process control system, Process operation with operating terminals, Process monitoring, fault analysis, alarm sequence display, Process information with curve and bar displays, operating point and logs, Controller function overview, Process start-up, operation and shut-down (Jan./Feb. 2010).
- : Off-shore training for Ansaldo Energia Steam Turbine Operation in Ansaldo Energia factory in Genova, Italy center for one month, included Overview of the Project Design Concepts Protection of Steam Turbine against Steam and Water Backflow KKS Identification, Steam Turbine and auxiliaries features, training course Generator Auxiliary Systems (Oct./Nov. 2013).
- : Certificate in Harmony & PGP Base – Configuration by ABB Co. in Genova, Italy (Nov. 2013).
- : Off-shore Training Certificate in Scada for Generator Protection & Synchronizing System by SEAT in Ansaldo Training School in Genova, Italy.
- : Off-shore training Ansaldo Caldaie Heat Recovery Steam Generator, Milan, Italy (Mar. 2014).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2021 till Jan. 2022
- Employer** : [EGYPTROL](#), Doosan Subcontractor
- Project** : CAIRO WEST SUPERCRITICAL POWER PLANT
- Job title** : Shift Charge Engineer
- Job Description** :
 - Commissioning Start-up Engineer for DOOSAN STEAM TURBINE 650MW.
 - Ability for making Start-up and Shut Down for STEAM TURBINE.
 - Start-up of steam turbine aux as lube oil, seal oil, steam seal, stator cooling water system, hydraulic power unit, condensate vacuum pumps.
 - Start-up HP bypass system & LP bypass system.
 - First rolling for turbine, synchronization.
 - Runback test, Load rejection test.
 - Performance test.
 - Reliability Run test.
 - Normal operation for steam turbine.
- Dates** : From Jul. 2020 till Dec. 2020
- Employer** : [EGYPTROL](#), AC Boiler Subcontractor
- Project** : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW GAS/OIL FIRED UNIT
- Job title** : Shift Charge Engineer
- Job Description** :
 - Commissioning Start-up Engineer for AC Boiler Supercritical boiler 3x650MW.
 - Ability for making Start-up and Shut down for Supercritical Boiler.
 - Preparing and put in service all Boiler Systems.
 - Air and Flow Gas System GAH, FD Fans, GR Fans, S.C.A.H (Steam

Coil Air Heater), Purge Fans, Scanner Cooling Fans, Seal Air Fans, Penthouse Fans.

- Water system SUBFP (Start-up Boiler Feed Pump), BRP (Boiler Recirculation pump).
- Fuel System Both Kind of Fuel Natural Gas and Mazout Oil and also Start-up Fuel Solar Oil and we Tested the Three of Them Together.
- Soot Blower System.

Dates : From Mar. 2018 till Mar. 2020
Employer : [EGYPTROL](#), Al Tokhi Subcontractor
Project : Conversion of HAIL-2 simple cycle to combined cycle power plant
Job title : Shift Charge Engineer
Job Description :

- Commissioning, Operation & Start-up Engineer for four HRSG (AMEC FOSTER WHEELER) with BOP.
- Commissioning, Operation Steam turbine SIEMENS 168MW with Air Cooling Condenser (ACC).
- Control system (DCS) SIEMENS T3000.

Dates : From Oct. 2017 till Mar. 2018
Employer : PGESCO
Project : West Damietta Power Plant Phase II
Job title : Shift Charge Engineer
Job Description :

- Commissioning & Operation for 4x125MW horizontal HRSG supplied by (Ansaldo Caldaie).
- Commissioning & Operation one steam turbine 250MW (HP, LP stages) supplied by (Ansaldo Energia) with Air Cooling Condenser (ACC).

Dates : From Apr. 2013 till Oct. 2017
Employer : Middle Delta Electricity Production Co.
Project : Banha Combined Cycle Power Plant (750MW):

- Two Gas turbines 2x250MW frame MS9001FA supplied by (GE).
- 2x400MW horizontal HRSG supplied by Ansaldo Caldaie.
- One steam turbine 250MW (HP, IP, LP stages) supplied by Ansaldo Energia.

Job title : Lead Operation Engineer
Job Description :

- From Apr. 2015 till Oct. 2017:
 - Responsible for following Warranty and Warranty claims with contractors after normal operation for GE gas turbine, Ansaldo Caldaie HRSG and Ansaldo Energia steam turbine.
- From Apr. 2013 till Apr. 2015:
 - Start-up and commissioning for GE gas turbines (MS 9001 FA), Speed Tronic MKVle.
 - Start-up and commissioning for Ansaldo Caldaie HRSG.
 - Operating for Ansaldo Caldaie HRSG during steam blowing.
 - Following start-up and shutdown for Ansaldo Caldaie HRSG.
 - Start-up and commissioning for Ansaldo Energia steam turbine.
 - Following start-up and shutdown for steam turbine.
 - Following all steam turbine test (FSNL test, load rejection test and

also performance test).

Dates : From May 2009 till Apr. 2013
Employer : Upper Egypt Electricity Production Co. (UEEPC)
Project : El-Kureimat 3 Combined Cycle 750MW
Job title : Shift Charge Engineer
Job Description :

- Gas turbine operation 2x250MW (MS 9001 FA), Speed Tronic MKVI.
- Commissioning and Start-up CMI HRSG.
- Commissioning and Start-up ALSTOM steam turbine.
- HRSG operation start-up and shutdown for CMI boiler.
- Start-up and shutdown for ALSTOM steam turbine.
- BOP operation feed water, condensate, circulating pumps and all steam turbine auxiliaries.

Dates : From Oct. 2006 till May 2009
Employer : Upper Egypt Electricity Production Co. (UEEPC)
Project : Assiut Thermal Power Plant 2x300MW
Job title : Field Operation Engineer
Job Description :

- Operation for Toshiba turbine & auxiliary.
- Operation for Mitsubishi boiler & auxiliary.
- Operation Ansaldo turbine & boiler & auxiliaries.

Dates : From Nov. 2005 till Oct. 2006
Employer : Elzaharna Company for car's exhaust system

Field of experience :

- Following proceeding for system start-up and shut down.
- Following proceeding for turbine cold and hot start-up.
- Monitor operation condition for the unit during normal operation.
- Monitor turbine condition during normal operation through MARK IV system.
- Lock-out & Tag-out.
- Following proceeding for unit load increasing and decreasing.