

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Turbomachinery. Has over 12 years' experience working in operation, commissioning and start-up at Al-Shabab Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/07/1987
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2010
: Diploma in Turbomachinery, Zagazig University, 2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: AutoCAD 2D
: Mark 6e Software – GE Operating Program
: AMPLISSIMA Software for work-permit

TRAINING COURSES AND CERTIFICATIONS

: AC Boiler On-shore training (Ismailia - Egypt) (Apr. 2018).
: Steam Turbine Generator, Air Cooled Condenser and Auxiliaries Maintenance (Ansaldo Training Center, Genouva – Italy), Ansaldo Energia (Jan. 2017).
: Ex2100 Regulator and GCP Operation and Maintenance (GE Energy Learning Center, Belfort, France), GE Company (Oct. 2014).
: Gas Turbine Auxiliary System Operations (GE Energy Learning Center, Belfort, France), GE Company (Sep. 2014).
: Mark Vie Gas Turbine Operations Simulation (GE Power & Water Training School, Belfort, France), GE Company (Sep. 2014).
: Performance Test and Analyzing of Gas Turbine Operation, Faied Training Center (Apr. 2014).
: Fuel Treatment Course (Al-Shabab Site, Egypt), Alfalaval (Jan. 2012).

- : Mechanical Works, Power Plant (PUMPS) (Al-Shabab Site, Egypt), Kharafi National Company (Jan. 2011).
- : QSK60 Engine & PCC2 Familiarization, Cummins Power Generation (May 2011).
- : General Electric MS 9001E Gas Turbine Maintenance (Al-Shabab Site, Egypt), GE Company (May 2011).
- : MS 9001 Gas Turbine Operation Training (Al-Shabab Site, Egypt), GE Company (Apr. 2011).
- : Maintenance, Reliability and Asset Management (RES Global).
- : Bearing Basic Training Course (SKF Knowledge Center).
- : Lubrication Basics Course (SKF Knowledge Center).
- : Power Transmission Equipment Course (SKF Knowledge Center).
- : Introduction to Welding Process (Canadian Welding Bureau, Online course).
- : Welding Basic Inspection Methods (Canadian Welding Bureau, Online course).
- : Welding Health & Safety (Canadian Welding Bureau, Online Course).
- : 3-Day Mini Course on Commissioning & Start-up (Online Course).
- : The complete personal protective equipment training (Udemy Online course).
- : Introduction to Process Safety Management Training (iFluids Training Academy, Online Course).
- : Introduction to Reliability Centered Maintenance (PRIMEGEAR ACADEMY, Online Course).
- : Pumping System I, Pump Types and Performance (Schneider Electric Online Course).
- : Pumping System II, Efficient Flow Control Performance (Schneider Electric Online Course).
- : Pumping System II, Improving System Efficiency (Schneider Electric Online Course).
- : Generator Fundamentals (Schneider Electric Online Course).
- : Compressed Air Systems I & II & Introduction & Compressor Types (Schneider Electric Online Course).
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2011 till now
- Employer** : East Delta Electricity Production Company
- Project** : Al-Shabab Power Plant (1500MW), Ismailia, Egypt
- Job Description** :
- Shift Charge Engineer:
 - Responsible for day to day operating 1500MW combined cycle power plant with its auxiliaries.
 - Carry out all required operational changes, safety inspections and procedures, boiler blowdown, fuel transfers, chemical tests, feedwater analysis, building systems control, etc.
 - Maintain an operating log and provide operating data, graphs, etc. pertinent to the efficient operation of the plant.
 - Act as a liaison and direct the Operation Engineers.
 - Commissioning & Start-up Owner Engineer (AL-SHABAB Power Plant

Phase 2 Project, Converting AL-SHABAB Power Plant 1000MW Simple Cycle to Combined Cycle 1500MW) (Jun. 2017 – Sep. 2018):

- Commissioning and doing first rolling for ANSALDO ENERGIA MT-20 steam turbine after doing all tests for (HRSGs, Steam turbine and ACC).
- Operating the steam turbine to its maximum load (after reliability test), recording its behavior and doing reports to become a reference for the turbine in the future.
- Gas Turbine Operator (Jun. 2014 – Jun. 2017).
- DCS Operation Engineer (AL-SHABAB Power Plant, 1000MW) (Jan. 2011 – Jun. 2014):
 - Operating and monitoring Gas turbines (GE Frame 9E, MARK VIe) and all auxiliary's systems.
 - Operating & monitoring SIEMENS GIS 220KV switch gear and SCHNEIDER 6.6KV substation.
 - Carry out safety isolation and precautions for work permits.

Field of experience :

- Attending of GE gas turbine commissioning.
- Attending of GE gas turbine first start.
- Attending of GE gas turbine Performance & Reliability test.
- Attending of GE gas turbine DLN Modification.
- Attending of GE gas turbines Minor & Hot gas path inspections.
- Steam blowout for Eight horizontal AC Boiler HRSG.
- AC Boiler HRSG start-up and commissioning and reliability test.
- Attending of ACC Vacuum & Steam Cleaning.
- Attending of Ansaldo Energia Steam Turbine First Start.
- Attending of Ansaldo Energia Steam Turbine Performance & Reliability test.
- Follow the Dispatch Load Request.
- Perform Periodical Test.
- Start-up and Shut down of the Units.
- Detect and diagnose malfunction of equipments and prepare for work orders.
- Operate the units even in case of abnormal operation.
- Collect and analyze periodical data.
- Follow and Deal with Alarms in Central Control Room.
- Perform Necessary Measures and Checks out Before Equipments Start-up.
- Follow Operation Specifications.
- Analyze Equipment Efficiency and performance.
- Application of Validated Procedures.
- Analysis of all Necessary Information about Local Sites.
- Operations of high, medium, and low voltage switchgears and load centers.
- Very good dealing with GTs engineering logic.
- Excellent knowledge of DCS systems.
- Wide knowledge of Operation of combined steam cycle.
- Operate units' auxiliaries (Feed systems, air compressors, cooling systems, circulating water systems, condensate systems, boiler systems, turbine systems, fuel system, electrical systems and all related utilities).
- Issue equipment clearances and work permits.

- Develop and implement plant operating procedures.
- Follow operation specifications.
- Wide knowledge of operation of combined steam cycle.
- Good knowledge of operation of gas turbine generating units and auxiliaries.
- Rich knowledge about gas turbine & Thermal Power Plants.
- Follow up the basic operating units through control room (DCS) and in the local as well.
- Good knowledge and dealing of mechanical and electrical circuits of the units.
- Follow up maintenance work and edit report about any malfunction models or down breaks.
- EXECUTED TESTING AND COMMISSIONING OF FOLLOWINGS:
 - GE gas turbine commissioning.
 - GE gas turbine Performance & Reliability test.
 - GE gas turbine DLN Modification.
 - GE gas turbines Minor & Hot gas path inspections.
 - AC Boiler HRSG Steam blowout.
 - Operating Ansaldo Energia steam turbine to its maximum load (after reliability test), recording its behavior and doing reports to become a reference for the turbine in the future.
 - Commissioning and doing first rolling for ANSALDO ENERGIA MT-20 steam turbine.