

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 10 years hands-on experience, mainly working as Operation Engineer at El-Shabab Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/12/1987
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2010

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Amplissima
: AutoCAD 2D
: PLC

TRAINING COURSES AND CERTIFICATIONS

: Operation training course on steam turbine generator & air cooled condenser and auxiliaries, Ansaldo Training Center, Genova, Italy (Nov. 2016).
: HOGEN H-SERIES HYDROGEN GENERATION SYSTEMS – OPERATION AND MAINTENANCE, PROTON.
: Mark VIe control & maintenance, GE (2011).
: EX 2100r excitation, GE (2011).
: General Electric MS9001e gas turbine maintenance, GE (2011).
: Protection relays PSP Alstom ipb operation & maintenance, ELSWEDY ELECTRIC PSP (2011).
: Protection system of 220KV GIS substation, SIEMENS (2011).
: Gas Insulation Switchgear (GIS), SIEMENS (2011).
: Telecom & communication, SIEMENS (2011).

- : PLC, Ministry of Commerce and Industry (2010).
- : Classic Automatic Control, Ministry of Commerce and Industry (2010).
- : AutoCAD 2D, Zagazig training course (2009).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2011 till now
- Employer** : East Delta Electricity Production Co.
- Project** : EL-SHABAB GAS TURBINE POWER PLANT 1100MW
(Plant consist of 8x125MW - GE gas fuel turbine (FRAME 9E) & 3x33MW BBC Units) with Hyundai 165 MVA Transformers, ARIVA Generator Circuit Breakers, ALSTOM Isolated Phase Bus, MARK Vie Control and EX2100R Exciter)
- Job title** : Electrical Operation Engineer
- Job Description** :
- Operation and monitoring of the plant equipments like fuel systems, turbines systems, generators systems and electrical systems.
 - Change loading of turbines/generators as required from the Board or through DCS.
 - Read meters and records data at specified intervals in appropriate logs and computers.
 - Team with the work of other operation employees on shift to insure successful start-up, operation and shut-down of units.
 - Was one of the team that responsible for GE Gas turbine combustion inspection (CI) and transfer the units from standard to DLN, and after 24000 hours of operation we made 8 Hot Gas Path Inspection for GE Gas Turbine 125MW Frame 9E.
 - Have set up a training course on How to Operate Gas Turbine and gave it four times to new Operation Engineers.
 - Since I attend the station from it's construction I have high experience in:
 - Operating & Maintenance for SIEMENS GIS 220KV.
 - Operating & Maintenance for Schneider MV SWGR 6.6KV.
 - Have the knowledge for how to operate Water Treatment Station.
 - Diesel Engines Operation and Maintenance.
 - Compressor Units Design & Maintenance.
 - Hydraulic and Lube Oil Lubrication Systems Maintenance.
 - Maintenance and Calibration for a lot of types of valves.
 - Closed Cooling Systems Design & Maintenance.
 - Pumps Selection & Maintenance.
 - Fire Fighting (Transformer - FM200 - CO2) and Fire Alarm (Securton™) Systems Design & Maintenance.
 - From Jul. 2016 till Aug. 2017: New Project El-Shabab Extention (2x250MW) Combined Cycle:
 - Supervising all Electrical installations in the site, make sure that all work like the drawing from the Consultant Engineer.
 - Testing the electrical system once it is installed and ensure that the system is stable and safe.
 - Submit site daily reports, inspection requests, loop check, function tests, estimate and all applicable monitoring reports on regular basis or as required.
 - INSTALLATION OF TWO ANSALDO ENERGIA TRANSFORMER 325 MVA .

- INSTALLATION OF TWO STAMFORD DIESEL 1596 KVA .
- INSTALLATION OF MV 6.6KV AND TESTING C.B AND BUSBAR.
- INSTALLATION OF LV 400 V.
- INSTALLATION OF GENERATOR AND LOAD TESTING FOR IT.
- SUPERVISING OF INSTALLATION OF TWO MAIN BUILDING AND MAKE SURE THAT ALL WORK LIKE THE DRAWING FROM THE CONSULTANT ENGINEER.
- From Aug. 2017 till now:
 - 2x250MW Combined Cycle.
 - 2 Ansaldo steam turbines MT20 with ABB operation system.
 - Separate HP Section - Double-Flow LP Section(s).
 - 2 AIR COOLED CONDENSER.
 - 8 AC BOILER WITH FOXBORO OPERATION SYSTEM.
 - 1 PROTON Hydrogen Generation unit.
 - Operation and monitoring of turbines systems, generators systems, and electrical systems.
 - Change loading of turbines/generators as required from the Board or through DCS.
 - Read meters and records data at specified intervals in appropriate logs and computers.
 - Team with the work of other operation employees on shift to insure successful start-up, operation and shut-down of units.

Dates : From Jul. 2015 till Nov. 2015

Employer : GE

Project : EL-HAMRA GAS TURBINE POWER PLANT 4x25MW – GE gas fuel turbine (TM2500)

Job title : Unit Operation Engineer (Electrical Eng. (Performance & Test Operation Eng.))

Job Description :

- Operation and monitoring of the plant equipments like fuel systems, turbines systems, generators systems.
- Read meters and records data.
- Successful start-up, operation and shut-down of units about 40 times.
- Shared in a team for washing compressor for all 4 units and helped in performance test for all 4 units.

Dates : From May 2015 till Jul. 2015

Project : WEST ASSIUT COMBINED CYCLE POWER PLANT 8x125MW GE gas turbine + 2x250MW

Job title(s) : Operation Instructor / Electrical Eng. (Performance & Test Operation Eng.)

Job Description :

- Secondment to Upper Egypt Electricity Production Co. to transfer GE gas turbine operation experience to new stuff.
- Have set up a Special Training Course in Operating GE Gas Turbine and gave it to Assiut Power Station Operation Engineers.
- Train new stuff rules and duties of operation and teach them all systems of turbine and how to deal with alarms, trips and emergency condition.
- One of team work to the Ministry, choosed to do all performance test for new units and shared in first operation test for 8 GE gas turbines.

Dates : From Aug. 2010 till Apr. 2011
Employer : Electro Elhany for contractor & trading
Project : 15 May City
Job title : Site Engineer
Job Description :

- Road lighting systems.
- Outdoor lighting and distributors.
- Underground cable installation and testing.
- Supervising the teamwork to achieve the target and finish any project in perfect time.