

Holds a B. Sc. and a Diploma in Electrical Power Engineering and has about 17 years hands-on experience working in maintenance, commissioning, start-up and operation.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

- : B. Sc. in Electrical Power Engineering, Alexandria University, 2000
- : Diploma in Electrical Power & Machines Engineering, Alexandria University, 2015

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : CAD Tools, AutoCAD, Photoshop, Basic, Atmel, AVR
- : MATLAB, Dialux software, ECODIAL

TRAINING COURSES AND CERTIFICATIONS

- : Steam power station operation (Abu Qir Training Center) (Apr. 2003).
- : Primavera (The Arab Academy for Science and Technology) (Jan. 2008).
- : PLC (Don Bosco Institute, Alexandria) (Mar. 2008).
- : Pneumatic & Electro pneumatic (Don Bosco Institute, Alexandria) (Mar. 2008).
- : Abnormal operation & main problems of steam power stations (Abu Qir Training Center) (Apr. 2008).
- : SF6 insulating gas testing and technical state assignment in substations and switchyards (Mar. 2012).
- : Pneumatics (Alexandria University) (Jan. 2013).
- : LED lighting system (Leadership Training Center, Cairo) (Dec. 2014).
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2017 till now
Employer : Schneider Co.
Project : Zohr Gas Field in Port Said
Job title : Commissioning Engineer
Job Description :

- Protection devices setting.
- Loop check for LV and MV loads.
- Perform A.T.S circuit.
- UPS check.
- Check substations equipments.

Dates : From Jan. 2014 till Oct. 2017
Project : Abu Qir Power Plant (2x650MW)
Job title : Electrical Maintenance Engineer
Job Description :

- Protection.
- Maintenance works for 380V motors & MCC.
- Perform A.T.S circuit.
- Diesel generator Maintenances.
- UPS Maintenance.
- 220 DC & 48 VDC rectifieurs Maintenances.
- Maintenance, charge & discharge of batteries.
- Routine maintenance for 6KV MCC, 220KV switchyard and 66KV switchyard.
- Adjusting and repairing Auma and rotork valves.

Dates : From Dec. 2011 till Jan. 2014
Project : Kafr El-Dawar Power Station
Job title : Maintenance Engineer
Job Description :

- Protection.
- Maintenance works for 380V motors & MCC.
- Perform A.T.S circuit.
- Diesel generator Maintenances.
- UPS Maintenance.
- 220 DC & 48 VDC rectifieurs Maintenances.
- Maintenance, charge & discharge of batteries.
- Routine maintenance for 6KV MCC, 220KV switchyard and 66KV switchyard.

Dates : From Sep. 2008 till Sep. 2011
Employer : Kahromika Company
Project : NUBARIA Project (Module III)
Job title : Site Engineer
Job Description :

- I was working with Alstom in instrumentation and with Initec as Electrical Eng.
- Calibration of instrumentation such as pressure indicators, pressure switch, pressure transmitters, temperature indicator & transmitters, RTD,

- Erection of instrumentation in the field.
- Fabricate & erect the instrumental pipes.
- Install the turbine instrumentations.
- Cables pulling, cable tray installation, cables measuring and test.
- Commissioning of (AC & DC) motors of different rates.
- Erection of transformers & excitation panels.
- Erection of grounding system for generators, motors, turbine & Panels.
- Install the low voltage panel which contains C.T. & V.T.
- Job details:
 - Commissioning and start-up for service water pump and lubricant skids.
 - Commissioning and start-up for travelling water screens.
 - Commissioning and start-up for closed cooling water pump and demi water pumps.
 - Commissioning and start-up for circulating water pumps and condensate water pumps.
 - Commissioning and start-up for ALSTOM steam turbine generator P320.
 - Merger and continuity test for control cables.
 - Supervise the installation and calibration for ultrasonic level transmitters (Rosemount 3100) and setting of universal control.
 - Supervise the installation of conductivity level switch in steam line.
 - Supervise the installation of Pneumatic and motorized valves.
 - Supervise the installation of Temperature transmitters (thermocouple, RTD).
 - Supervise the installation and calibration of (pressure, temperature, level) indicators, transmitters and switches.
 - Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps and Debris Filter).
 - Supervise the installation of junction boxes and the connection between them and control panel (CLC and OLC).
 - Supervise the installation of thermocouples for measuring turbine casing temperature.
 - Dealing with electronics circuits and the related data sheet.
 - Ability to use hart communicator (375).
 - Familiar with contactor technical specification and P&ID.
 - Supervise the installation and adjustment of Vibration sensors (seismic and proximities) for measuring case vibration and shaft vibration for turbine and generator, and also shaft (axial) displacement of rotor.
 - Supervise loop check and function test for all instrument devices (RTD, thermocouples, transmitters, switches, flow meters...).
 - Supervise the installation and commissioning of DCS and PLC control systems as well as logic test for all systems.
 - Supervise, function test, loop test, commissioning, start-up.

Dates : From 2002 till 2008
Project : Kafr El-Dawar Power Station
Job title : Operation Engineer

Job Description :

- Facilities consist of: 4x110MW Skoda, turbine-Generator Set Steam Generator, SWYARD 220KV. SF6 C.B. Siemens, SWYARD 66KV. SF6 C.Bvo. ABB & SWGR 6.3KV SF6 C.B. ABB and Skoda & MCC & 2 TIE TRANSFORMERS 220/66KV. This Plant provides Electric Power to The Egyptian Grid via 6 feeders of 220KV & 4 feeders 66KV.
- Prepare the power plant unit effectively during start-up operation and also inspect the equipment during the operation and shut down. Check the automatically protection on all equipment according to documentations via operating system (DCS, PLC and SCADA).
- Follow the operating instructions prepared for the turbo-set operator's needs and the documents for out of operating instructions for the unit as a whole.
- Not only the detailed knowledge of all rules but for providing a reliable and trouble free operation and also for the achievement of maximum service life of the machine.
- Rescue the unit from outages when they exposed to abnormal and suddenly transient conditions due to faults.
- Deal with fire fighting system and its alarms.
- A more detailed information about the design of power plant parts according to the drawing documentations.
- Make synchronization with the grid.
- Execute maneuvering and emergency change over on 220KV, 66KV grid and inside internal electrical buildings.
- Make a commissioning to DCS operating system YOKOGAWA Company and performance test for thermal power plants and apply it to the real field considering the permissive of all equipment.

Dates : From 2001 till 2002

Employer : Orascom for Instruction Trading (CCC)

Project : Golden Pyramids City, Cairo

Job title : Electrical Site Engineer

Job Description :

- Lighting marks.
- TV & telephone network.
- Internet & intercom.
- Construction of fire fighting system and earthing.
- Constructing Sub. Station 11KV / 180v (2 transformers + Diesel gen.).