

Holds a B. Sc. in Electronics Engineering and has over 10 years hands-on experience working in I&C field as well as in operation and start-up of Nubaria Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/06/1982
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electronics Engineering, Mansoura University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training course at ALSTOM Power Plant Training Center, Mannheim/Germany (Nov./Dec. 2009):
- Steam Turbine Mechanical Maintenance.
 - Inspection & Troubleshooting.
 - Steam Turbine Controller.
 - Generator & Auxiliaries.
 - Excitation and Protection.
 - Practical Training Steam Turbine Maintenance.
- : Training course on ALSTOM steam turbine at Nubaria Power Station (on-shore training):
- BTG VALVE & smartrak maintenane & calibration.
 - Turbine process for the maintenance personnel.
 - Maintenance of the Alstom CM condenser.
 - Maintenance of the Condenser exhaust vacuum pump units & waterbox priming unit.
 - Maintenance of debris filter system (DF) & condenser on load tube cleaning system (COLTCS).
 - Steam Turbine Controller.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2011 till now
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria III Combined Cycle Power Station (750MW)
Job title : I&C Maintenance Engineer
Job Description :

- I&C Maintenance Engineer on GE Gas Turbine after TOAC and making troubleshooting of GE gas turbine alarms and failures.
- Performing the required maintenance programs of GE gas turbine 9FA including daily, weekly, monthly, semi-annually and annually maintenance.
- Making the combustion inspection (CI) for two GE gas turbines GE9FA four times and major inspection for two GE gas turbines GE9FA one time.
- I&C Maintenance Engineer on ALSTOM Steam Turbine RT3000RMP.
- Working as I&C Owner Representative during the construction, commissioning and start-up for ALSTOM Steam Turbine RT3000RMP, review all I&C drawings & technical submittals.
- Troubleshooting of Alstom Steam turbine alarms and failures.
- Performing the required maintenance programs of Alstom Steam turbine including daily, weekly, monthly, semi-annually and annually maintenance.
- Troubleshooting of ST turbine alarms and failures.
- Working as I&C Engineer during the warranty inspection and Major inspection of Steam turbines.
- Following up (calibration, cold loop check, hot loop check, commissioning, start-up, Function test and tuning) of Alstom Steam turbine and ALSPA P320 TGC.
- Responsible of warranty claims between the owner and ALSTOM party.
- Responsible of spare parts between the owner and ALSTOM party.

Dates : From Aug. 2005 till May 2011
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria III Combined Cycle Power Station (750MW):

- Two GE gas turbines 250MW frame MS9001FA
- Two horizontal STF HRSGs
- One ALSTOM steam turbine 250MW (HP, IP, LP stages)
- Auxiliaries (service, closed cooling, circulating systems, etc.)
- 500KV switchyard
- Medium and Low Voltage Switchgears

Job title : Construction, Commissioning, Start-up & Operation Engineer
Job Description :

- Following up (calibration, cold loop check, hot loop check, commissioning, start-up, Function test and tuning) of Alstom ST turbine and ALSPA P320 TGC.
- Ability to use hart communicator (375 & 475).
- Commissioning and start-up for closed cooling water pump and demi water pumps.
- Commissioning and start-up for ALSTOM steam turbine generator P320.
- Megger and continuity test for control cables.

- Commissioning and start-up for circulating water pumps and condensate water pumps.
- 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 all general electric field mounted (CP-117).
- 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.
- 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, reliability test for GE Gas Turbine 9FA.

- Field of experience :**
- Start-up and operation steam turbine.
 - Start-up and operation gas turbine.
 - Start-up and operation steam power station and combined cycle power station.
 - Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air, etc.).
 - Check and operation the field equipments (valves, pumps, transmitters, etc.).