

Holds a B. Sc. in Electronics Engineering and has over 11 years hands-on experience working as I&C Engineer at Cairo North Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/04/1978
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : 2 weeks training in Cairo North Station for Alstom steam turbine (software and field) by German Expert of Alstom.
- : 3 months training with GE Company in many projects.
- : 1 week training in Auma valves.
- : 1 week training in basics of instrumentation (operating & maintenance).
- : Training in BENHA General Central.
- : 2 weeks training in Siemens PLC step 7 by CIMIMONTUBI Co.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2007 till now
Project : Cairo North Power Station
Job title : I&C Engineer
Job Description :

- Two modules Combined Cycle:
 - Module I:
 - Mitsubishi Gas Turbine model M701F (two units x 250MW) as

follows:

- Work in Control system of GT Diasys Netmation with Win NT application (Work space manager & Orca view applications).
 - Work in three Gas compressors, manufacturer is Mitsubishi Co., Japan; which controlled by 4 programmable logic control (PLC) s Allen Bradley 1756.
 - Work in Rockwell RS view software for operator station and lap top engineering station. RS logics 5000 Software.
 - Work in Diverter damper control, manufacturer is PARKER, 2 programmable logic control (PLC) s Siemens S7.
 - Module I (750MW) 2 GAS TURBINES 500MW (MITSUBISHI), the control system is Diasys Netmation – model (M701F), 1 STEAM TURBINE 250MW (Hitachi with Mark VI control system).
- Module II:
- GE Power Systems Co. Gas turbine model MS9001FB (FRAME 9FA):
 - Work in Control system of GT is GE Speedtronic mark VI with Win 2000 application.
 - Work in Three Gas compressors, manufacturer is ATLAS COPCO; which controlled by 4 programmable logic control (PLC) s Siemens S7- 400.
 - Work in 4 programmable logic control (PLC) s Siemens S7- 400.
 - Work in Diverter damper control, manufacturer is PARKER, 2 programmable logic control (PLC) s Siemens S7.
 - Module II (750MW) 2 GAS TURBINES 500MW (General Electric) GE, the control system is MARK VI – model MS9001FB (FRAME 9FA), 1 STEAM TURBINE 250MW (ALSTOM).
 - Shared in 8 turbine inspections (hot gas path) of gas turbine (4 MHI & 4 GE).
 - Shared in 32 combustion inspections of gas turbine (16 MHI & 16 GE).
 - Shared in 2 major overhaul inspections of gas turbine MHI.
 - Shared in 2 major overhaul inspections of gas turbine GE.
 - Mark VI Gas Turbine Controls experience.
 - Gas Turbine maintenance experience.
 - Make calibration for transmitters (pressure, flow, temperature and level), switches (press, temp).
 - Shared in new up grade for modification from DLN-2 to DLN-2.6 of gas turbine GE.
 - Shared in new upgrade for GE control system from Mark VI to Mark VIe.
- Shared in 8 turbine inspections (hot gas path) of gas turbine (4 MHI & 4 GE).
 - Fire fighting system Troubleshooting GE (ground – open test).
 - Working in the vibration whether seismic or Bentley Nevada system (test and Replacing of any faulty component).
 - Testing / calibration of the Speedtronic control system components

- (Valves, Transmitters, TCS and so).
- Working in development & Upgrade of a system of fire in the fourth unit of the system DLN 2 TO DLN2.6 + (from choosing the types of cables and installation of it and making all testing on it from continuity and merging and connect to the panels and commissioning).
 - Shared in 32 combustion inspections of gas turbine (16 MHI & 16 GE).
 - Shared in 4 major overhaul inspections of gas turbine MHI & GE.
 - Mark VI Gas Turbine Controls experience.
 - Gas Turbine maintenance experience.
 - Make calibration for transmitters (pressure, flow, temperature, and level), switches (press, temp) Rosemount and Yokogawa types by Hart communicator 375 and PT 100.
 - Supervising the gas turbine control system Speedtronic (Mark VI).
 - Troubleshooting and fault analysis.
 - Testing / calibration of the Speedtronic control system components.
 - Replacing of any faulty component TCs, cards, power supply and field devices.
 - Working under request to support the gas turbine control system safe and sound operation.
 - Spare parts identification / selection and ordering to support for warehouse balance.
 - Instrumentation Trainer (Instructor) in Cairo North Power Plant Training Center in the following courses (for Engineers and Technicians from Arab countries):
 - Theory of Gas Turbines.
 - Classification of Gas Turbines.
 - Open Cycle Gas Turbine.
 - Closed Cycle Gas Turbine.
 - Mark VI Gas Turbine Control System (GE).
 - Testing / Calibration of the Speedtronic Control System Components.
 - Troubleshooting and fault analysis.