

Holds a B. Sc. in Control & Industrial Electronics Engineering and has about 17 years hands-on experience working in I&C field at Cairo North Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/10/1982
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Control & Industrial Electronics Engineering, Menoufia University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word), Internet

TRAINING COURSES AND CERTIFICATIONS

: Course of Programmable Logic Controller (PLC) at POWER PLANT TRAINING CENTRE (Mar. 2012).
: Training of CENTUM MAINTENANCE & START-UP at YOKOGAWA MIDDLE EAST & AFRICA TRAINING CENTRE in Bahrain (Mar. 2014).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2005 till now
Project : Cairo North Combined Cycle Power Station
Job title : I&C Engineer
Job Description :

- Module I:
 - Mitsubishi Gas turbine model M701F (two units x 250MW).
 - 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) 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) 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) Siemens S7-400.
 - Work in 4 programmable logic control (PLC) Siemens S7-400.
 - Work in Diverter damper control, manufacturer is PARKER, 2 programmable logic control (PLC) 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 10 turbine inspections (hot gas path) of gas turbine (4 MHI & 6 GE).
- Shared in 8 combustion inspections of gas turbine (4 MHI & 4 GE).
- Shared in 4 major overhaul inspections of gas turbine (2 MHI & 2 GE).
- Shared in development and upgrading of DLN 2 system to DLN 2.6 for GE gas turbine and sharing in commissioning and start-up for gas turbine GE no. 4 (2013).
- Managing and sharing in the upgrade of Mark VI control system to Mark Vie control system, commissioning, loop check, hot check and start-up for gas turbine GE no. 4 (2017).
- Managing and sharing in the upgrade of Mark VI control system to Mark Vle control system, commissioning, loop check, hot check and start -up for gas turbine GE no. 3 (4/2017).
- Shared in shutdown at Egyptian Liquefied Natural Gas (LNG) Company with Egypt Maintenance Company (EMC) staff and GE stuff.
- Shared in shutdown at Pharaonic Petroleum Company (Ha'py District) with Egypt Maintenance Company (EMC) staff.
- Mark VI Gas Turbine Controls experience.
- Gas Turbine maintenance experience.
- Direct and coordinate the control and instrumentation activities of major shutdown overhaul works.
- Fire fighting system troubleshooting for GE & MHI gas turbine.
- Strong customer service mindset.
- Team player.
- Operate and authorized permit to work system.
- Make calibration for transmitters (pressure, flow, temperature and level), switches (press, temp) Rosemount and Yokogawa types by Hart communicator 375, 475 and PT100.
- Giving a course of instrumentations and measurements for technicians for

two months at Training Centre at Saline Water Conversion Corporation in JUBAIL - Kingdom of Saudi Arabia.

- Giving courses of instrumentations & measurements and gas turbine maintenance at Cairo North Power Station Training Centre.
- Supervising the gas turbine control system speedtronic (Mark VI).
- Troubleshooting and fault analysis.
- Have the ability to read P&IDs, Loop Schematic and logic drawings, knowledge of software packages e.g. GE Cimplicity.
- 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.