

Holds a B. Sc. in Automatic Control & Measurements Engineering and has over 14 years hands-on experience working in I&C field at Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/11/1975
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Automatic Control & Measurements Engineering, Menoufia University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training with Siemens Company (Germany) (Mar. 2007), including overview of SICAM PAS control system.
- : Training with Siemens Company (Germany) (Mar. 2007), including protection and control functions.
- : Off-shore trainings:
 - SIPROTEC Protection devices in SIEMENS Training Protection Sidi Krir (Mar. 2008).
 - PLC SIEMENS SIMATIC STEP7 in Abu Qir Electricity Training Center (Jan./Feb. 2006).
 - Measurement Instruments & Calibration in Abu Qir Electricity Training Center (May/Jun. 2005).
- : On-shore trainings:
 - Training with Ansaldo Energia Company in Steam Turbine Generator Operation & Maintenance (May/Jun. 2010).
 - Training with Toshiba Plant System Services Corporation in Field Instruments.

- : Training with MITSUBISHI Company:
 - DIASYS NETMATION (DSC) (2 weeks):
 - Installing the hardware and software.
 - How to use maintaining and managing the plant using (EMS).
 - HOW TO USE MONITORING THE PLANT USING THE (OPC).
 - HOW TO USE OPERATING THE (ACS).
 - Hydraulic and electrical control (parker) (2 days):
 - Hydraulic system.
 - Maintenance of hydraulic system.
 - Electrical control system.
 - VIBRATION (GE) (3 days):
 - Vibration fundamentals.
 - Proximitor operations.
 - Support 3500 monitors.
 - System1 vibration signals.
 - Electro hydraulic flow control servo valves (MOOG) (2 days):
 - Outline of servo valves.
 - Structure of typical servo valves.
 - Characteristics of servo valves.
 - Installation and adjustment.
 - Valve positioners used in power plants.
 - Details of LVDT.
 - Valve position controls system.
 - Loop gain.
 - Servo controller.
 - GAS CHROMATOGRAPH (elster) (2 days):
 - Gas chromatograph ENCAL 3000.
 - Flow computers model 2000 series.
 - Turbine meter SM-RI-X.
 - Control logix 5000 (rockwell) (5 days):
 - Create and modify an rslogix 5000 controller.
 - Download and uploading the project to controller.
 - Create tags and monitor data and make trend for input in rs logix.
 - Configure .force I/O.
 - Troubleshoot and modify Ethernet IP addresses using rslinx software.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2013 till now
From Jan. 2003 till Dec. 2011
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : Sidi Krir Power Station (2x320MW & Combined Cycle (750MW))
- Job title** : I&C Maintenance Engineer
- Job Description** :
- IMPLEMENTAION OF DSC CONTROL SYSTEM & STEAM TURBINE.
 - YOKOGAWA (DSC) CENTUM3000.
 - Harmony Control System FOR STEAM TURBINE (Composer Version 4.3) & (Power Generation Portal 4.1).
 - INSPECTION & START-UP FOR GAS TURBINE & GAS COMMPRESSOR.
 - ALARM TEST.

- INTERLOCK TEST.
- SIMULATION TEST.
- MITSUBISHI GAS TURBINE (CONTROL SYSTEM).
- Diasys netmation (DSC).
- Hardware Configuration IN SYSTEM WINDOW.
- I/O Assignment IN SYSTEM WINDOW.
- Creating a control logic in Logic Window.
- Creating the plant graphic screen in Graphic Window.
- Creating the control loop plate in HMI Window.
- Registering the control logic sheet in System Window.
- Registering the control logic sheet in HMI Window.
- Registering the plant graphic screen in HMI Window.
- Downloading the control logic sheet to MPS in System Window.
- Downloading the control logic sheet, the plant graphic screen and the control loop plate to OPS in System Window.
- ORCA VIEW.
- DIASYS- IDOL.
- WORK SPACE MANAGER (WSM).
- MULTIPLE PROCESS STATION (MPS).
- Back-up and Restoration of Engineering Data.
- System Back-up of Computers.
- Handling System Troubles.
- ACCESSORY STATION.
- VIBRATION SYSTEM (BENTLEY NAVADA 3500).
- GAS CHROMATOGRAPH.
- FLOW COMPUTER.
- Servo valves (MOOG).
- Pneumatic valves.
- Speed control for shut off valve.
- Hydraulic valve.
- Hydraulic system.
- Pneumatic system.
- Gas turbine meter.
- FUEL GAS COMPRESSOR (ATLAS COPCO).
- ALLEN BRADLEY CONTROL SYSTEM (CONTROL LOGIX 5000).
- VIBRATION SYSTEM (BENTLEY NAVADA 3500).
- DIVERTER SYSTEM (PARKER).
- Control system Siemens simatic s7 plc.
- NITROGEN GENERATOR SYSTEM (OXYMAT).
- Control system ALLEN Bradley plc.
- Perform preventive, corrective and diagnostic maintenance on the process control systems and control loops.
- Perform the required routine maintenance (daily, weekly, monthly...etc. for all skids of Steam turbines.
- Troubleshoot, repair, calibrate and test various types of process control instruments and relay logic, which include pneumatic, electrical and electronic instruments.
- Remove, dismantle, overhaul / repair and install electric, pneumatic, electronic or hydraulic control system such as control valves and actuators, recorders, measuring and recording instruments in the field or in the workshop.

- Perform upgrade and retrofitting of new control instruments to the existing panels in the field and main control room.
- Assist other sections such as electrical, mechanical and workshop in the repair and troubleshooting of their instrument and electronic related systems and test equipment.

Employer : KHARAFI NATIONAL
Project : AL-SHABAB POWER STATION
Job title : I&C Construction & Commissioning Lead Engineer
Job Description :

- Working in construction, commissioning, start-up and operation for 8x125 GE gas turbines frame 9E.03.
- Working in construction, commissioning, start-up and operation for 8x125 GE gas turbines frame 9E.03 DLN Modification.
- Power Plant Project Commissioning and operation activities and its utilities.
- Review of engineering drawings and specifications.
- Performance monitoring and maintain the require parameter for smooth and efficient operation.
- Instrument loop testing and functional testing in accordance with national / international standards.
- Checking open and closed loops, verify DCS system, verify instruments calibration.

Employer : KHARAFI NATIONAL
Project : Nubaria Power Station
Job title : I&C Construction & Commissioning Senior Engineer
Job Description :

- Working in construction, commissioning, start-up and operation for 250MW GAS Turbine Generator (9FA.03).
- Working in construction, commissioning, start-up and operation for 250MW GAS Turbine Generator (9FA.03) DLN 2.6 Modification 9FA.03 DLN 2.6+XD5 DF, AGP, CDM, FM, CTM, Opflex.
- Power Plant Project Commissioning and operation activities and its utilities.
- Review of engineering drawings and specifications.
- Performance monitoring and maintain the require parameter for smooth and efficient operation.
- Instrument loop testing and functional testing in accordance with national / international standards.
- Checking open and closed loops, verify DCS system, verify instruments calibration.

Further experiences : Inspections:

- Factory Acceptance Test Hardware & Application Software for Distribution Control System (DCS YOKOGAWA CENTUM CS3000 R3), YOKOGAWA Middle East in BAHRAIN (May/Jun. 2009).
- Combustor Inspection for Sidi Krir Gas Turbine Unit 1 after 8000 hours operation (Sep. 2010).
- Combustor Inspection for Sidi Krir Gas Turbine Unit 2 after 8000 hours operation (Oct. 2010).
- Turbine Inspection for Sidi Krir Gas Turbine Unit 1 after 16000 hours

- operation (Mar./Apr. 2011).
- Turbine Inspection for Sidi Krir Gas Turbine Unit 2 after 16000 hours operation (Apr./May 2011).
 - Major Overhaul Gas Turbine Inspection for Sidi Krir Gas Turbine Unit 1 after 48000 hours operation (Aug./Sep. 2014).