

Holds a B. Sc. in Electronics & Control Engineering and a Diploma in Automatic Control Engineering. Has about 15 years hands-on experience, including 10 years working in Power Plant I&C construction, commissioning, start-up and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/06/1979
Gender : Male
Marital Status : Married
Residence : Menoufia

EDUCATION

- : B. Sc. in Electronics & Control Engineering, Menoufia University, 2001
- : Diploma in Automatic Control Engineering, Cairo University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Hart device 375 Rosemount
- : PLC (Programmable Logic Control) programming with Ladder, ST

TRAINING COURSES AND CERTIFICATIONS

- : On-job training for Turbine Control System (Mark VI).
- : On-job training for Historian System.
- : Off-shore training for Heat Recovery Steam Generator (CMI) in Seraing (Belgium) (Apr./May 2009).
- : On-job training for Ovation 3.0 DCS.
- : Vibration sensors types and adjustment (Profess).
- : On-job training for Instrumentations Calibration.
- : Off-shore training for Heat Recovery Steam Generator (ANSALDO Caldaie) (Apr./May 2013) in Milano Italy.
- : Off-shore training for Distribution Control System (DCS) YOKOGAWA (CENTUM VP) (Sep./Oct. 2014) in Bahrain Kingdom.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2013 till now
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Banha Combined Cycle Power Plant (750MW):
- Two Gas Turbines 250MW GE 9FA controlled by MARK VIe.
 - Two Heat Recovery Steam Generators HRSG ANSALDO controlled by YOKOGAWA DCS.
 - One Steam Turbine ANSALDO ENERGIA 250MW controlled by ABB SYMPHONY HARMONY control system.
- Job title** : I&C Engineer
- Job Description** :
- During the project erection, commissioning and start-up:
 - To do engineering and design review to all the related documents, drawings, electrical control diagrams and logic circuits.
 - Reviewing the P& ID s for all contractors.
 - To solve interface problem between (gas turbine and overall DCS).
 - To approve, inspect and calibrate all the related instruments and equipment to be suitable to the process and as per the contract specifications and written agreements.
 - To assist and to be responsible for control and instrumentation part of the project.
 - To approve, inspect and check all the related Motorized Valves (Auma Valves) to be suitable to the process and as per the contract specifications and written agreements.
 - Inspect and calibrate pneumatic valve (control, on off types).
 - The plant construction follows up, I was responsible for the progress report, inspection and making punch lists for all the plant.
 - Follow up all commissioning activities such as signal continuity check, loop check, transmitters Calibration and function Check for all related signals as control.
 - During the maintenance:
Maintenance activates for Gas Turbines (GE 9FA) controlled by MARK VIe including the following:
 - Receiving and acceptance of all spare parts instrumentation devices.
 - Receiving and acceptance of all instrumentation devices in order to be involved in the field.
 - Responsible for check and repair activities of instrumentation Racks, instrumentation cabinets, control panels, Relay cabinets, PLC cabinets, electronic cards, transmitters, switches, thermocouples, RTDs and valves.
 - Maintenance of the field installed device and troubleshooting for any problem occurred in the field instrumentation.
 - Support for operators for dealing with different control systems.
- Dates** : From Feb. 2007 till Feb. 2013
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat II Combined Cycle Power Plant (750MW):
- Two Gas Turbines 250MW Siemens V94.A3 controlled by TELEPERM XP T2000.

- Two Heat Recovery Steam Generator HRSG CMI Energy controlled by Ovation DCS.
 - One Steam Turbine Hitachi 250 MW controlled by GE Mark VI control system.
- Job title** : I&C Engineer
- Job Description** :
- During the project erection, commissioning and start-up:
 - Engineering and design review to all the related documents, drawings, electrical control diagrams and logic circuits.
 - Reviewing the P&ID s for all contractors.
 - Solve interface problem between (gas turbine and overall DCS).
 - Approve, inspect and calibrate all the related instruments and equipment to be suitable to the process and as per the contract specifications and written agreements.
 - Assist and responsible for control and instrumentation part of the project.
 - Approve, inspect and check all the related Motorized Valves (Auma Valves) to be suitable to the process and as per the contract specifications and written agreements.
 - Inspect and calibrate pneumatic valve (control, on/off types).
 - The plant construction following up, I was responsible for the progress report, inspection and making punch lists for all the plant.
 - Follow up all commissioning activities such as signal continuity check, loop check, transmitter's calibration and function check for all related signals as control.
 - Commissioning all hardwired interface and ModBus communication with the main DCS.
 - Making Logic and function check for CWP's which are controlled from the main DCS Ovation 3.0.1 including logic, graphics and database modifications follow up.
 - During the maintenance:
 - Maintenance activates for Gas Turbines (Siemens 94.3A) controlled by TELEPREM XP T2000 including the following:
 - Receiving and acceptance of all spare parts instrumentation devices.
 - Receiving and acceptance of all instrumentation devices in order to be involved in the field.
 - Responsible for check and repair activities of instrumentation racks, instrumentation cabinets, control panels, relay cabinets, PLC cabinets, electronic cards, analyzers, transmitters, switches, thermocouples, RTDs and valves.
 - Maintenance of the field installed device and troubleshooting for any problem occurred in the field instrumentation.
 - Support for operators for dealing with different control systems.
 - Back up restore in the OM650 component server as OTs, PUs, XUs and SUs after repairing and connect the server to the network.
 - During major inspection for 1st and 2nd gas turbines the following:
 - Visual and check tests for all I&C cabinets of controllers and fix problems.
 - Check and re-adjust all measuring instrumentations of gas turbines.
 - Check all auxiliaries' skids for correct function and solve problems.

- Logic and Graphics modifications.
- Making backup for all OM objects such as OTs, PUs, XUs and SUs.
- Making backup for ES.
- Change the back up batteries.
- Start-up the gas turbines after the inspection.
- Responsibilities:
 - Troubleshooting, Breakdown, Corrective, Routine and Preventative Maintenance for Combined Cycle Module with the following Systems in Power Plant:
 - Siemens Gas Turbine Control System:
 - Work with TELEPERM XP AS 620 includes the APT SYMADIN-D Turbine.
 - Governor Control System (SIMADYNE D) and Siemens APF S5-95F for Fail-Safe System.
 - Operating and monitoring system (OM 650) Process Control and Information System.
 - Working with Engineering Systems (ES 680).
 - Siemens Gas Turbine Auxiliaries Systems:
 - Air Intake System.
 - Natural gas System, Fuel Oil System and DeNOx System.
 - Lube Oil and Hydraulic Oil Systems.
 - Compressed Air System.
 - Compressor washing system.
 - Instrument and Service Air Compressors.
 - Natural Gas Drainage System.
 - TSI System for Siemens Gas Turbine.
 - Diverter Damper System.
 - Pneumatic Air System.
 - Gas Detection System.
 - Fire Detection System.
 - Service Water System.
 - Closed Cooling Water System.
 - HITACHI Steam Turbine Control System:
 - Work with MARK VI Control System.
 - Work with CIMPLICITY HMI Power Plants Edition.
 - HITACHI Steam Turbine Auxiliaries Systems:
 - Steam Seal System.
 - Lubrication Oil System including Hydraulic and Jacking System.
 - Generator Seal Oil System.
 - Hydrogen Generating System.
 - Vacuum and Priming Systems for Main Condenser.
 - Debris and Tube Cleaning Systems.
 - Circulating Water System.
- Detailed experience:
 - Overhaul Maintenance for Steam Turbine as an Instrument and Control Maintenance Engineer.
 - Experience in the Field Instruments: Transmitters, Switches, Indicators, and Controllers of Different Field Quantities (Flow, Level, Temperature, Differential, Pressure...etc.).
 - Experience in Pneumatic Instruments: I/P Converters, Pressure Regulators, Valves Positioners and Pneumatic Control Valves.

Dates : From Nov. 2005 till Feb. 2007
Employer : Norel Misr
Project : Factory for the Company in Attaka Industrial Zone, Suez Canal
Job title : Maintenance Engineer
Job Description :

- All maintenance activities (electrical and I&C) of the plant.
- Check the plant for correct function, and make all calibration operation for the instrumentation such as pressure, temperature, flow, level.
- Maintenance of utilities of the factory such as water boiler, air compressors, hydraulic skid, etc.

Dates : From Jan. 2005 till Oct. 2005
Employer : Kahromika
Job Description : Installation Engineer for medium voltage transmission line 22KV in Nubarria City.

Dates : From Aug. 2003 till Dec. 2004
Employer : Amigo for Tourism Investment
Project : Water desalination by Reverse Osmosis (RO technology) 2 x 1000 qm/day
Job title : Installation & Maintenance Engineer
Job Description :

- Operation and maintenance of the plant.
- Check the plant for correct function, and make all calibration operation for the instrumentation such as pressure, temperature, flow, level and analyzers such as PH, TDS.
- Check the control system for correct action.

Dates : From Dec. 2002 till Jul. 2003
Employer : Arabcom 2000 Company for trading
Job title : Installation & Maintenance Engineer for wheel of cars equipments (balance & alignment)
Job Description :

- Install the new equipments and test it for operation.
- Training the operators, and after sales services.
- All maintenance activities and spare parts.

Further experiences :

- Training Instructor for Upper Egypt Electricity Production Company (UEEPC) for Siemens gas turbine control system (TELEPERM XP T2000).
- Training Instructor for Middle Delta Electricity Production Company (MDEPC) for GE gas turbine control system MVle.
- Work as Training Instructor for ISCOSA a Siemens Company in KSA for:
 - Siemens gas turbine control system (TELEPERM XP T2000).
 - GE gas turbine control system MVle.
 - Instrumentation.