

Holds a B. Sc. in Electrical & Automatic Control Engineering and has over 12 years hands-on experience working in I&C field (construction, commissioning, start-up, maintenance and operation) at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/03/1981
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Electrical & Automatic Control Engineering, Suez Canal University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore training on Mark Vie maintenance by GE Company, Belfort – France.
- : On-shore training on H2 generation by Proton Company, Banha – Egypt.
- : Basic Operation Training on Steam Turbine by East Delta Electricity Production Company, Abu Sultan – Egypt.
- : On-shore training on steam turbine control system (STCS) including PGP Software Composer software (ABB), Banha – Egypt.
- : On-shore training on Bentley Nevada system including rack configuration and system 1, Banha – Egypt.
- : On-shore training on Bypass control system (parcol), Banha – Egypt.
- : On-shore training on YOKOGAWA (CENTUM VP) Control System, Banha – Egypt.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2017 till now
Employer : Ansaldo Energia Company
Project : AL-SHABAB POWER STATION phase II converting existing Simple Cycle to Combined Cycle 2x750MW
Job title : Commissioning I&C Engineer
Job Description :

- During the project erection, commissioning and start-up for steam turbine:
 - 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 systems.
 - Supervision Installing and Construction Steps to steam Turbine.
 - Make inspection for installing equipment.
 - Supervision to instruments calibration.
 - Make loop check for all signals between field & Control Cabinets.
 - Make loop check for interface signals between STCS (ABB) and DCS.
 - Make some modification for PGP Displays and for Composer Logic.
 - Make function check for all systems.
 - Attending start up and commissioning for steam turbine and make all tests on "lube oil verification, hydraulic oil verification, seal oil verification, Redundancy tests for (controller, communication, power supply) for ABB Cabinets.
 - Start-up and commissioning for Bypass System (Parcol) PLC Siemens Simatic S7-300.
 - Start-up and commissioning for Bentley Nevada system (Rack Configuration and System 1 software).
 - Start-up and commissioning for Air Cooling Condenser (ACC) System ENIXO.
 - Start-up Hot Cleaning for ACC System.

Dates : From Sep. 2011 till Oct. 2017
Employer : Middle Delta Electricity Production Company (MDEPCO)
Project : Banha Combined Cycle (750MW) Power Station:

- Two General Electric (GE) CTG 250MW type FA9001, Mark vie
- Two Horizontal Ansaldo Caldaie HRSG
- One Ansaldo Energia STG 250MW (HP, IP, LP) turbine, ABB control system (Symphony/Harmony)
- 220KV GIS switchyard
- Medium and Low Voltage Switchgear

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.
 - Make continuity, cold and hot loop check for all signals between field and MARK Vie cabinets.
 - To solve interface problem between MARK Vie and overall DCS.
 - Reviewing the P& ID for all contractors.
 - Supervision installing and construction steps to gas turbine GE 9FA.

- 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.
- Inspect and calibrate pneumatic valve (control, on/off).
- Make loop check for all signals between field & controller MARK Vie.
- Make function check for all systems (lube oil, hydraulic oil, seal oil,).
- Attending first fire for gas turbine.
- Start-up and commissioning for bypass stack hydraulic power unit with vendor Atlantic Industrial Technologies.
- Start-up and commissioning for indirect water bath heater with vendor 4Forain.
- Receiving material for steam turbine.
- Supervision Installing and Construction Steps to steam Turbine.
- Make inspection for installing equipment.
- Supervision to instruments calibration.
- Make loop check for all signals between field & Control Cabinets.
- Make loop check for interface signals between STCS and DCS (CENTUM VP) YOKOGAWA.
- Make some modification for PGP Displays and for Composer Logic.
- Make function check for all system.
- Attending first rolling for steam turbine.
- Attending start-up and commissioning for steam turbine and make all tests on "lube oil verification, hydraulic oil verification, seal oil verification, Redundancy tests for (controller, communication, power supply) for ABB Cabinets, Over speed 110 and 112% trip test, full stroke test, tightness test, first synchronization, Reverse power protection trip, Run back test, Auto Start, Auto Shutdown, Auto Loading, Auto Unloading, Load Rejection and Performance Test".
- Start-up and commissioning for Bypass System (Parcol) PLC Siemens Simatic S7-300.
- Start-up and commissioning for Debris and Tube Cleaning System (GEA-BGR) PLC Allen Bradley micro Logix 1400.
- Start-up and commissioning for Bentley Nevada system (Rack Configuration and System 1 software).
- During the maintenance:
 - Maintenance activates for steam Turbine controlled by (Symphony/Harmony) control system including the following:
 - Receiving and acceptance of all spare parts instrumentation devices.
 - Responsible for check and repair activities of instrumentation cabinets, control panels, PLC, electronic cards, analyzers, transmitters, switches, thermocouples, RTDs, Steam Turbine Auxiliaries Systems and control 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.
 - Troubleshoot any problem in STCS cabinet, controller configuration BRC400, Modification in PGP screens (HMI) and composer logic (EWS).
 - Troubleshoot any problem in HRSG

- During the Warranty Inspection Overhaul for steam turbine:
 - Visual and check tests for all control cabinets and fix problems.
 - Check all auxiliaries' skids for correct function and solve problems.
 - Logic and Graphics modifications.
 - Making Backup for all servers (OS servers and EWS server).
 - Calibration for all transmitters (pressure, differential pressure, flow).
 - Calibration for all control valves.
 - Remove all (vibration, expansion) sensor for all bearing.
 - Install all (vibration, expansion) sensors for all bearing and adjust the gap voltage for all sensors.
 - Start-up the steam turbine after the inspection.

Dates : From Jun. 2015 till Jun. 2016 (part time)
Employer : Ansaldo Energia Company
Project : Giza North Power Station (3x750MW) Combined Cycle
Job title : I&C Engineer

Dates : From Sep. 2006 till Sep. 2011
Project : ABU SULTAN (4x150MW) Thermal Power Plant
Job title : I&C Engineer
Job Description :

- Four Modules Steam Turbine (GE Company).
- Steam turbine control MARK V.
- Honeywell DCS.
- 220KV switchyard.
- Besides I do training courses for new engineers and technical groups.

Dates : From Jun. 2005 till Sep. 2006
Employer : Arab Contractor Company
Job title : Maintenance Engineer