

Holds a B. Sc. in Electronics & Communication Engineering and a Diploma in Control System. Has over 11 years hands-on experience working mainly in I&C field at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/08/1982
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2004
: Diploma in Control System

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Factory acceptance Test for upgrade TXP control System to Ovation 3.51 (certified from Emerson Training Center Dubai - UAE).
- : Training Course in AC800M Base Configuration with CBM and PGP Power Generation Portal (certified from ABB Training Center, Genova - Italy).
- : Training Course in Power Generation Portal advanced configuration (certified from ABB Training Center, Genova - Italy).
- : Training Course in Power Generation Portal Operation (certified from ABB Training Center, Genova - Italy).
- : Training Course in AC800M Maintenance with CBM and PGP Power Generation Portal (certified from ABB Training Center, Genova - Italy).
- : Training Course in GEC-ALSTHOM (certified from EDEPC (East Delta Electricity Production Company)).
- : Training Course in Siemens SGT5-2000E (V94.2) Operation (certified from EDEPC (East Delta Electricity Production Company)).
- : Training Course in Instruments Maintenance (certified from EDEPC (East Delta Electricity Production Company)).

- : Summer Training in Damietta Power Station CCGT (Combined Cycle Power Plant) (2003).
- : Summer Training in Damietta Power Station CCGT (Combined Cycle Power Plant) (2002).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2015 till now
- Employer** : Saudi Electricity Company
- Project** : Power Plant 7 (1418MW), Riyadh – KSA
- Job title** : I&C Engineer
- Job Description** :
- Responsible for doing Maintenance for 2 Unit Siemens - Westinghouse Gas Turbine W501D5A (85MW), including:
 - Troubleshooting of Unit Control System (Simadyn and Teleperm XP) including Control Panels, Controllers, Network Connections and Switches, I/O Cards, Operator Stations, Workstations, Servers.
 - Troubleshooting of Unit Control System Ovation Control System 3.51 including different drops; EWS, Historian, Operator Stations, Controllers and Network Connections and Switches, I/O Cards.
 - Troubleshooting of Unit Control System Ovation Control System including Logic implementation and modification using controls Developer Studio.
 - Keep reliability and availability for gas turbine and auxiliary instrumentation and control devices (Control Valve, Process Transmitter Flow, Pressure, Level, Temperature, etc.).
 - Gas Control Valve position Calibration with Parker and Moog Servo valve and LVDT feedback.
 - Troubleshooting of Plant Instrumentation and following preventive maintenance and corrective maintenance to all instruments in plant (Switches, Transmitters, Indicators, etc.).
 - Troubleshooting and configure Bentley Nevada Vibration system (Relative and absolute).
 - Active Member of Emerson team during upgrade Teleperm XP Control System to Ovation Control System 3.51 including commissioning, Cable dressing, termination, cold loop check, hot loop check, Redundancy check, Hardware check and Function Test for Gas Turbine and its auxiliary.
 - Responsible for doing Maintenance for 16 Units GE-MS7001E Gas Turbine (50MW) and 6 Units GE-MS7001EA Gas Turbine (55MW), including:
 - Troubleshooting of Unit Control System MKV and MKVle including Control Panels, Controllers, Network Connections and Switches, I/O Cards, Operator Stations.
 - Troubleshooting of Unit Control System MKVle including Logic implementation and modification using controls ToolboxST and WorkstationST.
 - Keep reliability and availability for gas turbine and auxiliary instrumentation and control devices (Control Valve, Process Transmitter Flow, Pressure, Level, Temperature, etc.).
 - Gas Control Valve and Stop Ratio Valve position Calibration with Moog Servo valve, LVDT and RVDT feedback.
 - Active Member of Emerson team during upgrade MKV control

system to MKVIe Control System including commissioning, Cable dressing, termination, cold loop check, hot loop check, Redundancy check, Hardware check and Function Test for Gas Turbine and its auxiliary.

- Responsible for doing Maintenance for Power Plant Gas Station Supply, including:
 - Troubleshooting of Gas Station Control System Ovation Control System 3.51 and Ovation SIS Safety including different drops; EWS, Historian, Operator Stations, Controllers and Network Connections and Switches, I/O Cards.
 - Troubleshooting of Unit Control System Ovation Control System including Logic implementation and modification using controls Developer Studio.
 - Keep reliability and availability for gas instrumentation and control devices (Control Valve, Process Transmitter Flow, Pressure, Level, Temperature, etc.) for different Equipment; ESD Valve Control, Separator control system, Water path control System (with Siemens sematic S7 PLC), Gas skid Reduction System (MOV, EIV, PCV, SSV), Gas Detection System, Fire protection System.

Dates : From Nov. 2006 till Jan. 2015

Employer : East Delta Electricity Production Company (EDPEC)

Project : Damietta Combined Cycle Power Station (1750MW)

Job Description : • I&C Engineer:

- Responsible for doing Maintenance, calibration and troubleshooting for ALSTOM steam turbine control system REC 920 and its auxiliary, including:
 - Steam Turbine Control System: REC 920, ALSTOM Co.
 - HP & LP Bypass Control System, Honeywell Co., and all it's Auxiliaries i.e. Hydraulic control system, BTG, Drains valve's system.
 - Different type of actuators, Transmitters, I/P transducers, ...etc.
 - Familiar with ALSPA, PLC system Type: C100, CEGELEC.
 - Air Compressor Control System Type: ISG and Cameron.
 - Air Dryer System: type: ISG, Cameron.
 - Commissioning, Start-up and Operation Engineer during Upgrade the Control System of three Steam Turbine ALSTOM REC 920 to ABB AC800M including:
 - Steam Turbine Control Valve position Calibration with Moog Servo valve supply and LVDT feedback.
 - Manage the interface between the turbine and different system (Bypass, DCS, Electrical Protection and Field Instruments).
 - Test and calibrate all steam turbine instruments in different systems: Condensate system & condensate pumps, Circulating water system, Bentley Nevada Vibration system, Closed cooling system, Gland steam condenser, Service water system, Control oil and lubricate oil system, etc.
- Responsible for doing Maintenance, calibration and troubleshooting for Steam Turbine Control System ABB AC800M, including:

- AC800M HW and SW configuration, using Control Builder M.
- PGP On and Off Line Configuration.
- Program language and Function Block.
- Backup and Restore Configuration with AC800M / PGP.
- PGP Graphic Display Creation.
- Alarms and Events Configuration, Playback Archive.
- PGP 4.1 Operations, Alarm, Events Filter, Trends and Historical Archive.
- Responsible for doing Maintenance for 6 Siemens Gas Turbines V94.2 (135MW), including:
 - Maintenance, and troubleshooting control system Simadyn and Teleperm Me using SIMATIC Field PG M5.
 - Maintenance and troubleshooting and calibration all gas turbine instruments in different equipment.
 - Finished three major inspections with my team work.
 - I have a good Knowledge in SPPA- T3000 control system, I was active member in my work team which will upgrade the control system Simadyn and Teleperm Me to SPPA- T3000 control system.
- Responsible for doing Maintenance for 4 Units GE Gas Turbine Frame 9E (125MW), including:
 - Troubleshooting of Unit Control System MKVIe including Control Panels, Controllers, Network Connections and Switches, I/O Cards, Operator Stations.
 - Troubleshooting of Unit Control System MKVIe including Logic implementation and modification using controls ToolboxST and WorkstationST.
 - Keep reliability and availability for gas turbine and auxiliary instrumentation and control devices (Control Valve, Process Transmitter Flow, Pressure, Level, Temperature, etc.).
 - Gas Control Valve and Stop Ratio Valve position Calibration with Moog Servo valve, LVDT and RVDT feedback.
- Responsible for doing Maintenance for Emerson DCS System Ovation 2.4 controlling steam turbine boilers (BORSIG) and BOP system, including:
 - Following alarms and signals, Modifying Logic Diagrams and Graphic for Ovation System, Loop Testing (Transmitters, Auma Valves, control valves), Logic test and commissioning skills.
 - Installing Ovation (Work stations, Operating Systems, Historian and EWS).
 - Keep reliability and availability for Boiler and auxiliary instrumentation and control devices (Control Valve, Process Flow Transmitter, Pressure, Level, Temperature, etc.).
- Control Room Engineer:
 - Operation and monitoring 125MW ALSTHOM Steam Turbine (D.C.S. and Local).
 - Operation and monitoring 250 T/H HRSG (BORSIG) (D.C.S. and Local).
 - Operation and monitoring plant auxiliaries (Air compressors, Air conditioning, fire fighting, Closed Cooling,etc.).
 - Operation and monitoring 135 MW SIEMENS Gas Turbine 94.2 (D.C.S. and Local).
 - Operation and monitoring GE Gas Turbine Frame 9E (125MW).

- Operation and monitoring 220KV, 66KV Switchgear (AEG).

- Field of experience :**
- Familiarity with gas turbines and their control theories.
 - Experience in various industrial process control software and systems.
 - Experience in process instrumentation.