

Holds a B. Sc. in Electrical Engineering (Communication & Electronics) and has about 19 years hands-on experience working with many instrumentations and control systems.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/02/1980
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Engineering (Communication & Electronics), Tanta University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Intensive course on computer skills, including Microsoft Office and Visual Basic level I & II.
- : PLC (Programmable Logic Control) levels 1 & 2, Energy & Electricity Ministry of Egypt.
- : Project Management Professional (PMP) course, Brilliance Business School.
- : Diploma of OSHA standards, Arab Association of Safety and Health Professionals and Experts:
 - General industry.
 - General construction.
 - Platinum certificate.
- : Training course of Symphony Harmony infi ABB DCS (hardware, software) + power generation portable (PGP4.1).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2020 till Jul. 2021
Employer : Elsewedy & Mitsubishi Hitachi Power System (MHPS) Consortium
Project : LAYYAH Project 2 GT (M701F) * 2 HRSG * 1 ST 1100MW IN UAE
Job title : Commissioning Instrumentation & Automation Engineer
Job Description :

- For Automation activities:
 - Providing assistance (Logic simulation & Logic/Graphic modification & fixing Hardware issues) as Automation Engineer during start-up activities for whole project systems.
 - Providing assistance (Logic simulation & Logic / Graphic modification & fixing Hardware issues) as Automation Engineer during Commissioning activities.
 - Rectify all official Logic/Graphic comments (Logic/Graphic modifications requests & punch items / WDRs / NCRs).
- For Field Instrumentation activities:
 - Performing internal Testing for pre-commissioning activities (cold loop check & impulse tubing leak test & SAT of all control systems) and commissioning activities (hot loop check, function test, TOCs).
 - Performing with the client external Testing for pre-commissioning RFIs (cold loop check & impulse tubing leak test & control panels energization & SAT) AND Commissioning RFIs (hot loop check, function test, logic check, TOCs).
 - Providing Troubleshooting analysis & maintenance services as instrumentation engineer during Commissioning & start-up activities for whole project systems,

Dates : From Oct. 2018 till Jul. 2020
Project : Damanhour Thermal Power Plant (1x300MW)
Job title : Senior I&C Maintenance Engineer
Job Description :

- Senior job of I&C Department (Arrange schedule for preventive maintenance and arrange & distribute work permits for all I&C memberships, join Top hiring meetings for discussion / decision of actual site's situation.
- Calibration & maintenance for field instruments.
- Troubleshooting analysis for all discovered issues which effect on the operation processes.
- Modification in the control system (hardware, software, processes logic design) for any addition / extension / modification in operation systems.
- Modification in the field side (hardware, cable pulling, cable termination, instruments installation / calibration) for any addition / extension /modification in operation systems.
- Engineering activities: Review Documents & Drawings, Contract's Specifications (in case of new additional systems/projects) and Tenders.

Dates : From Sep. 2017 till Oct. 2018
Employer : ESBI COMPANY
Project : Waad El Shamal Project (Integrated Solar Combined Cycle Power Plant (ISCCPP) with a net power of 1270MW in 4-4-1 configuration) in KSA

Job title : I&C Field Consultant Engineer
Job Description : Main duties are instrumentation & control consultancy services:

- Inspection: for construction RFIs, pre-commissioning RFIs, commissioning RFIs and decide which can be accepted (by or without comments) and which should be rejected or rescheduled.
- Working day/night shift for supervision & reporting start-up & commissioning activities and abnormal issues.
- Tracing site for surveillance and raise the discovered issues as WDRs/NCRs.
- Consulting engineering for Documents & Drawings & Contract's Specifications.
- Join I&C discipline daily meeting, Join common commissioning daily meeting for discussion / decision of actual site's situation.
- Engineering activities: Review Modifications DCNs/FCNs (if required) of all Documents & Drawings for Approval.
- Inspection for closing punch list and WDRs/NCRs.

Dates : From Dec. 2015 till Aug. 2017
Employer : Worley Parsons Company
Project : COMBINED CYCLE POWER PLANT PP10 (10 CC x 400MW = 4000MW), KSA

Job title : Commissioning I&C Senior Consultant Engineer
Job Description : Main duties are instrumentation & control consultancy services:

- Inspection: for construction RFIs, pre-commissioning RFIs, commissioning RFIs and decide which can be accepted (by or without comments) and which should be rejected or rescheduled.
- Working day/night shift for supervision & reporting start-up & commissioning activities and abnormal issues.
- Tracing site for surveillance and raise the discovered issues as WDRs/NCRs.
- Consulting engineering for Documents & Drawings & Contract's Specifications.
- Join I&C discipline daily meeting, Join common commissioning daily meeting for discussion / decision of actual site's situation.
- Engineering activities: Review Modifications DCNs/FCNs (if required) of all Documents & Drawings for approval.
- Inspection for closing punch list and WDRs/NCRs.

Dates : From Feb. 2015 till Dec. 2015
Employer : SEC Company
Project : COMBINED CYCLE POWER PLANT PP12 (2x1050MW), KSA
Job title : I&C Senior Consultant Engineer
Job Description :

- Inspection: for construction RFIs, pre-commissioning RFIs, commissioning RFIs and decide which can be accepted (by or without comments) and which should be rejected or rescheduled.
- Working day /night shift for supervision & reporting start-up & commissioning activities and abnormal issues.
- Tracing site for surveillance and raise the discovered issues as WDRs/NCRs.
- Consulting engineering for Documents & Drawings & Contract's

Specifications.

- Join of I&C discipline daily meeting, Join common commissioning daily Meeting for discussion / decision of actual site's situation.
- Engineering activities: Review Modifications DCNs/FCNs (if required) of all Documents & Drawings for approval.

Dates : From Aug. 2013 till Sep. 2014
Employer : Petrojet Company
Project : Assil & Karam Gas Development Project in West Desert of Egypt
Job title : E&I Construction Engineer
Job Description :

- Following the progress of Cable pulling, instruments installation, Trays & junction boxes installation and electrical & control panels installation.
- Performing cables continuity & megger internal tests.
- Control system Cabinets installation.
- Following progress of cables termination.
- Finalize & rectify all E&I QC/QA issues.
- Coordinate with QC/QA to raise ready external RFIs to be inspected by Client.

Dates : From Jun. 2011 till Jul. 2013
Project : Damanhour Thermal Power Plant (1x300MW)
Job title : Senior I&C Maintenance Engineer
Job Description :

- Senior job of I&C Department (Arrange schedule for preventive maintenance and arrange & distribute work permits for all I&C memberships, join Top hiring meetings for discussion / decision of actual site's situation.
- Calibration & maintenance for field instruments.
- Troubleshooting analysis for all discovered issues which effect on the operation processes.
- Modification in the control system (hardware, software, processes logic design) for any addition / extension / modification in operation systems.
- Modification in the field side (hardware, cable pulling, cable termination, instruments installation / calibration) for any addition / extension /modification in operation systems.
- Engineering activities: Review Documents & Drawings, Contract's Specifications (in case of new additional systems/projects) and Tenders.

Dates : From Mar. 2010 till May 2011
Employer : NEM
Project : El-Atf Combined Cycle Power Plant (1x750MW)
Job title : Chief I&C Commissioning Field & DCS Engineer
Job Description :

- Performing internal inspections for pre-commissioning RFIs (cold loop check & impulse tubing leak test & SAT of all control systems) and commissioning RFIs (hot loop check, function test, TOCs).
- Performing with the client external inspections for pre-commissioning RFIs (cold loop check & impulse tubing leak test & control panels energization & SAT) AND Commissioning RFIs (hot loop check, function test, logic check, TOCs).

- Providing Troubleshooting analysis & maintenance services as Instrumentation Engineer during start-up activities for whole project systems.
- Providing assistance (Logic simulation & logic / graphic modification & fixing hardware issues) as DCS ENGINEER during start-up activities for whole project.
- Rectify all official DSC comments (modification requests & punch items).

Dates : From Jan. 2010 till Mar. 2010
Employer : TOSHIBA-TOYOTA (TPSC-TTC)
Project : El-Atf Combined Cycle Power Plant (1x750MW)
Job title : I&C Engineer
Job Description :

- Providing Troubleshooting analysis & maintenance services as Instrumentation Engineer during commissioning & start-up activities for whole project systems.
- Performing internal inspections for pre-commissioning RFIs (cold loop check & impulse tubing leak test & SAT of all control systems) AND commissioning RFIs (hot loop check, function test, logic check, TOCs).
- Performing with the client external inspections for pre-commissioning RFIs (cold loop check & impulse tubing leak test & SAT of control systems) and commissioning RFIs (hot loop check, function test, logic check, TOCs).

Dates : From Jan. 2009 till Jul. 2009
Employer : ENEL POWER & ANSALDO Caldaie CONSORTIUM
Project : Thermal Power Plant 4x150MW in KSA
Job title : Commissioning DCS Supervisor Engineer
Job Description :

- Providing assistance (logic simulation & Logic/Graphic modification & fixing Hardware issues) as DCS ENGINEER during start-up activities for whole project systems.
- Providing assistance (Logic simulation & Logic / Graphic modification & fixing Hardware issues) as DCS ENGINEER during Commissioning activities.
- Rectify all official DSC comments (Logic/Graphic modifications requests & punch items).

Dates : From May 2003 till Jan. 2009
Project : Damanhour Thermal Power Plant (1x300MW)
Job title : I&C Maintenance Engineer
Job Description :

- Calibration & maintenance for field instruments.
- Troubleshooting analysis for all discovered issues which effect on the operation processes.
- Modification in the control system (hardware, software, processes logic design) for any addition / extension / modification in operation systems.
- Modification in the field side (hardware, cable pulling, cable termination, instruments installation / calibration) for any addition / extension /modification in operation systems.
- Engineering activities: Review Documents & Drawings, Contract's

Specifications (in case of new additional systems/projects) and Tenders.

- Field of experience** :
- I&C Consultancy Services (construction / commissioning) (from Feb. 2015 till now).
 - I&C Maintenanceduring all my permanent job (around 10 years experience).
 - I&C Construction (around 2 years experience).
 - I&C Commissioning (around 4 years experience).
 - I&C Engineering Services: reviewing drawings (P&ID, Hook up drawings, wiring diagrams, layout drawings, logic diagrams) & checking modifications DCNs, FCNs (experience period is included in previous roles periods).
 - Good experience in many control systems as BMS, DCS, DLS, PLC, TSI, ESD.
 - Responsible for maintain & troubleshooting & good experience in control system ABB (Network-90), ABB (Infi90), GE Mark VIE, OIS Software (VMS), ABB Composer Software (v4.0, v4.1, v4.2, v4.3, V5.1), PLC and graphic software ABB Conduct, ABB PGP 4.1 and GE Simplicity 8.4.
 - Alpha Station & good experience in fire fighting and fire alarm systems.
 - Field instrument Calibrate, test, maintain for different field instrumentation such as vibration sensors, differential expansion, absolute expansion, thrust bearing wear detector, temperature sensors, flow transmitters, level transmitters, pressure transmitters, level controller, temperature controller, pneumatic valves (control & On/Off) and motorized valves.
 - Instruments:
 - Pressure, differential pressure transmitters by Hartmann & Braun, ABB, Honeywell, Emerson, Rosemount, Siemens (Germany), VEGABAR, Foxboro.
 - Level-temperature-flow (transmitters) Hartmann & Braun, ABB, Honeywell, Emerson and Rosemount, Siemens (Germany), VEGABAR, Foxboro.
 - Thermocouple - R.T.D.
 - Oxygen and carbon monoxide analyzer (Westinghouse, Honeywell).
 - Flame detection systems (Bailey, FIREYE).
 - Motorized valves: AUMA, Parcol, BIFFI, Rotork and Drehmo.
 - Pneumatic valves: Fisher, Emerson, Koso.
 - Pneumatic pressure & temperature controllers: Ametic (USA).
 - Smoke detectors (ionization/photoelectric smoke detectors): Honeywell, Zenner, Edward EST3.
 - Heat detectors (fixed temperature / ROR): Honeywell, Edward EST3.
 - Control System:
 - DCS (N90) (Distributed control system) made by Elstage Bailey and Hartmann & Braun.
 - DCS (INFI 90) (Distributed control system) made by ABB.
 - DCS (Mark VIe) made by GE.
 - PLC (programmable logic control): simatic (Siemens), logix555 (Allan Bradley), Trust PLC.

- EHC (Electro Hydraulic Control):
 - On/Off motorized valves: Biffy (Italy), Auma, Rotork, Drehmo.
 - On/Off pneumatic valves: Fisher (USA), Emerson, Koso.
 - Control system (E.H.C) for Steam Turbine:
 - Analoge (E.H.C) by Elsage Bailey Co. which includes different control loops such as: speed control unit, load control unit and flow control unit which which gives a current signal to servo valves.
 - DEHC GE which includes different control loops such as: speed control unit, load control unit and flow control unit which which gives a current signal to servo valves.
 - DEHC ABB which includes different control loops such as: speed control unit, load control unit and flow control unit which which gives a current signal to servo valves.
 - Thermo couple: Pitco (type K- Italy), (type E-Honeywell).
 - R.T.D.: PT 100 Pitco-Italy.
 - Temperature transmitters: Hartmann & Braun, Honeywell, Emerson, ABB, Yokogawa, Siemens.
 - Flow transmitters: Hartmann & Braun, Honeywell, Emerson, ABB, Yokogawa, Siemens.
 - On/Off valves (pneumatic): Parcol (Italy), Fisher, Emerson.
 - On/Off valves (motorized): Rotork (England), Drehmo, Biffi.
 - Hydraulic Control valves: STI (Italy), GE and Ansaldo Energia.
 - Pneumatic pressure and temperature controllers: Ametic (USA).
- TSI (turbine supervisory instruments):
 - Bentley Nevada system: Vibration sensors, differential expansion, absolute expansion, thrust bearing wear detectors, speed sensors and rotor axial position instruments.