

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 15 years hands-on experience, including 13 years working in I&C field at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/06/1979
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Suez Canal University, 2005
- : DIPLOMA OF THE TECHNICAL STUDY DEVELOPED INDUSTRIAL (5 YEARS COURSE) – Suez Advanced Industrial Technique School (1993-1998)

LANGUAGES

Arabic : Native Language
English : Very Good
Dutch : Basics

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : BURNER MANAGEMENT & PROTECTION SYSTEMS (BMS & BPS) TRAINING – SCHNEIDER Electric (Invensys) (Mar./Apr. 2018).
- : TURBO GENERATOR OPERATION (ALSPA CONTROCAD) CONTROL SYSTEM – GE Steam Turbine Training Center, Mannheim, Germany (Oct. 2016).
- : DCS ABB (800XA) System, ABB Training Center (Bangalore, India) (Oct./Nov. 2015).
- : PLC training course with Allan Bradley system, Suez Power Plant.
- : FIELD DEVICES MAINTENANCE – SIEMENS, Suez Power Plant (Dec. 2015).
- : Instrumentation courses on E&H and Emerson Devices, Suez Power Plant.
- : Instrumentation course on ABB Devices, Suez Power Plant.

- : Training course on FIRE ALARM AND DETECTION SYSTEM, Suez Power Plant.
- : Training course on FIRE EYE FLAME DETECTION SYSTEM, Suez Power Plant.
- : Training course on TV CAMERA FROM TECNO VISION COMPANY, Suez Power Plant.
- : Training course on Desalination unit (MSF TYPE) with all its auxiliaries, Ayoun Mousa Power Station.
- : Training course on power system software (PGP) and logic composer.
- : Automatic Control (Expertise of Egyptian/Swedish Association for Friendship and International Co-operation).
- : PLC Control (Expertise of Egyptian/Swedish Association for Friendship and International Co-operation).
- : Transmission line training course (Ayoun Mousa Power Station).
- : Firefighting training course (Ayoun Mousa Power Station).
- : Boiler control course (Ayoun Mousa Power Station).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2014 till Dec. 2020
- Employer** : East Delta Electricity Production Company
- Project** : SUEZ POWER PLANT 1x650MW
- Job title** : Instrumentation Engineer
- Job Description** :
- Construction Engineer:
 - Monitor of site installation activities in line with, quality control plans, inspection and test plans, and project specifications. Provide management, coordination and guideline for specific discipline Inspectors. Coordinating the entire instrumentation, JB installation, tray works, cable laying, glanding, loop checking & erection & commissioning activities.
 - Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart.
 - Carried out Installation, Erection & Commissioning & testing of different types of instrument like pressure gauges & transmitters, differential pressure transmitter, temperature transmitters, solenoid valves, Control Valves, Flow transmitters as well as level transmitters, Thermocouples, RTD.
 - Interpretation of P&ID, JB location plan, Instrument Location Plan, General Arrangement & Layout Drawing, Hook up drawing, Instrument loop test drawing, ESD drawing, for Erection, Installation of all types of Instrument.
 - QC Engineer (Witness as an Owner during Project) (from Apr. 2014 till Oct. 2015).
 - Prepare the scope of work for Engineering contractors from instrumentation side.
 - Prepare and review all related instrument I/O list, wiring, Hook up drawing, layouts, termination, Panel drawing.
 - Prepare inspection / test reports and maintain the QA/QC files related to assignment.
 - Inspect and witness the construction works as a owner.

- Control and monitoring of material flow to site, controlling of drawing as per contract.
- Commissioning Engineer (Witness as an Owner during Project) (from Oct. 2015 till Sep. 2016) - Commissioning and start-up for:
 - Boiler Ansaldo type (30 Burner 650MW).
 - ABB power plant DCS (800XA).
 - Burner management system with Invensys DCS (Foxboro I/A and Triconix for protection).
 - Sootblower system with Siemens plc control.
 - Making function tests for most loops of boiler such as (air master, fuel master and the auxiliaries equipment of boiler (F.D fan, G.R fan, cooling fans, R.A.H and other)).
 - Making function tests for burner management system logic.
 - Responsible for Installing, Configuring, Developing, Managing and Maintaining Equipment which is used to Monitor and Control Engineering Systems, Machinery and Processes.
 - Perform a commissioning and start-up for the power plant.
 - Perform the installation and programming of various types of field instrumentations.
 - Perform a tuning /calibration for pneumatic control valves and solenoid valves.
 - Such as Sensors, Transmitters and Analyzers and connect them with the control system.
 - Work with Desalination Plant, Water Treatment Plant, Boiler and Turbine system.
- Maintenance Engineer (from Sep. 2016 till Dec. 2020):
 - All Maintenance Activities for All Systems in the power plant field.
 - Strong Experience in Dealing with Shutdown and Trip Situations.
 - Strong Ability to lead a work group under critical conditions.

Dates : From Jan. 2018 till Oct. 2020 (part time)
Job title : PV SOLAR SYSTEMS INSTALLATION ENGINEER

Dates : From Jun. 2018 till Jul. 2019
Employer : INTECSA Industrial GROUP
Project : PHOSPHATIC FERTILIZER COMPLEX
Job title : Quality Instrumentation Engineer
Job Description :

- Prepare all testing documents (Calibration, Function test reports, loop folders).
- Hot loop check procedure.
- Loop sheet check according to (REF:ANSI/ISA-5.4-1991).
- Power up field instrument and check DCS.
- Simulating process signals to sensor for transmitter and check in DCS (limit and Eng. unit.....etc.).
- Simulating process signals to digital switch and check in DCS.
- The analogue and digital signals will be tested using certified equipment.
- Control loop output signal shall be manually tested form workstation.
- Handheld 475 Field communicator (advanced field diagnostics).
- Verify the logic diagram as per specification and modify error.

- Faulty or outside parameters shall be highlighted in PUNCH LIST.
- Fire and gas control system inspection test report check.
- DCS inspection test report check.
- CCTV system inspection test report check.

Dates : From May 2008 till Apr. 2014
Employer : East Delta Electricity Production Company (EDEPC)
Project : Ayoun Moussa 2x320MW Power Plant
Job title : Instrumentation Maintenance Engineer
Job Description :

- Maintenance all transmitters for level, pressure, temperature and Flow.
- Maintenance all proximity transmitter for displacement and vibration.
- Maintenance and check temperature elements RTD & TC.
- Working on various types of pneumatic valves and dampers via (steam, Water, air ...etc.).
- Working on various types of motorize valves.
- Air compressors with dryer via INGERSOLL RAND.
- Desalination unit (MSF TYPE) with all its auxiliaries.
- Maintenance activities of I&C for all instrumentation devices perform calibration and fault diagnosis of plant instrumentation.

Dates : From May 2006 till May 2008
Employer : Egyptian Electricity Transmission Co.
Job title : Electrical Engineer