

Holds a B. Sc. in Electronics Engineering and has over 11 years hands-on experience working in the field of instrument & control systems.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/01/1983
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

: Overflow tank protection system training, Najran Power Plant (Nov. 2015).
: Nuclear safety and security training (Jun. 2015).
: PLC, HMI and Visualization training course, Najran Power Plant (Nov. 2014).
: GE Measurement & Controls training course "MK Vle DCS Maintenance" (Nov. 2013).
: RSview 32 software course (Oct. 2009).
: PLC, microcontroller, industrial electronic, real time programming machine, SCADA system.
: Fundamental electrical circuit.
: PLC SIEMENS S7 – 400 / 300 / 200.
: HMI Mark V training and how to work it.
: SCADA SYSTEM RSView 232 training and how to work it.
: Simple training about SCADA SYSTEM I FIX.
: Base work of network system.
: CONTROL SYSTEM MARK V & CIMPLICITY TRAINING.

: Siemens WINCC.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2017 till now
Employer : Saudi Electricity Company
Project : Shuqaiq Steam Power Plant 4 units x 720MW
(SSPP new project for generate electricity that have 4 units (Alstom turbines & supercritical Mitsubishi boiler with DCS control system ovation 3.5))
Job title : I&C Engineer
Job Description :

- Check alspa P320 control system for turbine with controcad software.
- Check logic for turbine and follow up all commissioning and protection tests.
- Check & inspection control systems at project and function test with Emerson engineer and his contractors.
- Check logic for control different equipment and follow up modification & build up all software and hard ware for control systems DCS ovation control system, PLC Allen Bradley, alspa turbine control system control cad.
- Follow up calibration of all instrument and control valves for boilers and turbines.
- Follow up tests for sequence of operation for different systems.
- Get training from different venders.

Dates : From Jul. 2013 till Feb. 2017
Employer : Saudi Electricity Company
Project : Najran Power Plant, Najran City – KSA
(12 units gas turbine (7 units GE FRAME 7E & 5 units fiat) and control system of its Mark VI and Mark V with HMI and Mark VIe and USE DCS CONTROL SYSTEM MARK VIE)
Job title : I&C Engineer
Job Description :

- Provide technical support for the maintenance, operation, and troubleshooting of the plant's instrumentation systems and equipment, including low voltage electrical systems and Programmable Logic Controllers (PLC's).
- Testing and commissioning for two new power plant GE gas turbines 2x60MW.
- Follow up all tests for software and hardware control system (mark 6e & mark 6 and MARK 5).
- Calibration different control system devices (instrumentation and control).
- Work with electrical department in maintenance different electrical control system and generator breaker circuit.
- Work with operation department in different Urgent problems during work of gas turbine.
- Very good experience in control system MK VIE, MK VI, MK V.
- Working for Develops old control system.
- TRANSFER TO TECHNICAL SUPPORT DEPARTMENT (from Jan.

2015):

- Supervising the implementation of short and long-term projects.
- Proposal and implementation of various improvements to control systems.
- Maintain different power and control circuit for pumps and valves.
- Excellent experience for troubleshooting different electrical and control system.
- GE MK VIE & MK VI CONTROL SYSTEM EXPERIENCE:
 - Perform troubleshooting of the control panel hardware (MK VIE Software), replacing faulty cards with spare ones, setting, downloading configuration software.
 - Install, configure and troubleshoot MK IVE software components on the HMI and other PC used in the control system.
 - Download and troubleshoot control Software to the Control Panel.
 - Calibrate and test any type of field instruments, according to P&I and instrument list, using the necessary tools and filling the relevant check list/certificate.
 - Execute loops check for any type of instruments.
 - Perform calibration of gas turbine control servo-mechanisms (fuel valves, IGV, nozzles, etc.).
 - Edit the existing control software if required to rectify non-conformities, implement sequence changes required from technical office, customize the control system to the site conditions, modify the animated displays on the HMI, etc , Understand design and standard documents in their various formats: drawings, specifications.
 - Supervision maintenance GE turbine systems (lube oil – hydraulic – IGV – bypass etc.).
 - Planning work for spare parts for field and control systems.
 - Supervision different maintenance (MI, CI AND HGP) for GE gas turbine.

Dates : From Mar. 2007 till Jul. 2013

Project : El-Kureimat Power Station:

- 2x650MW (GE) Steam Turbines
- Control system is MARK V
- 2 Conventional Boilers, 36 Burners (BABCOCK WILCOX – Canada)
- The plant is controlled via EMERSON (WESTINGHOUSE) DCS (WDPF) control system
- BMS CONTROLLED BY DCS DPU'S
- Water Treatment Plant

Job title : Instrument & Control Engineer

Job Description :

- Work in maintenance department for instrumentation and control systems.
- At this work Specialist in DCS and Boiler Control System.
- Very good understand logic control and different electrical system.
- Upload and Download software for DCS Controllers.
- Work with operators for urgent problems during work of turbine.
- Work in MI Outage and CI for turbine (calibration different control devices and protection).
- Maintenance & calibration and loop checks field instruments as

example:

- Vibration, Speed, Thermocouples, RTD Devices.
- Flow - Level - Pressure (Transmitters, Switches, Indicators).
- Flow meter E+H and flow motion.
- Control Motorized, Pneumatic, Hydraulic Valves (Bialy & Fisher & Siemens and Dresser) control valve.
- Flame scanners, spark plug...
- Very good experience for electrical systems.
- Very good experience in PLC system, DCS SYSTEM and troubleshooting any problem.

Dates : From Mar. 2006 till Mar. 2007
Employer : EI-Nasr Co. for Intermediate Chemicals (NCIC belongs to Ministry of Defense) in Fayoum branch
Project : Aluminum Sulfate Plant, Sulfuric Acid Plant
Job title : Instrument & Control Engineer (Testing & Commissioning Engineer)
Job Description :

- Maintenance control and electrical system.
- Work in DCS ABB CONTROL SYSTEM.
- Attendance and participate of the installations and start-up of the plant power, DCS control system, fixing, connecting & calibrating electronic transmitters (Pressure, Temp., Level, Flow).