

Holds a B. Sc. in Industrial Electronics & Automatic Control Engineering and has over 15 years hands-on experience, including 14 years working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/11/1984
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Industrial Electronics & Automatic Control Engineering, Menoufia University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Computerized Asset Maintenance System (MAXIMO)

TRAINING COURSES AND CERTIFICATIONS

: Sematic S7 PLC Introduction Course (one week at AUTOTECH Training Center).
: Sematic S7 PLC Advanced Course (one week at AUTOTECH Training Center).
: DCS Introduction Course (one week at ASORC Training Center).
: Allen Bradley PLC Course (3 days at PICO Energy Training Center).
: Instrumentation in Hazardous Location Course (one week at Enppi Training Center).
: Yokogawa Centum CS3000 DCS training courses "operation, maintenance and engineering" (two weeks at ASORC Training Center).
: Foxboro I/A Series DCS V8 Software Maintenance training course "IACC, FoxView & FoxDraw" (one week at Invensys Training Center).
: Yokogawa Centum CS3000 DCS Engineering training course (one week at Suez Oil Production Co. Training Center).
: Yokogawa Centum VP DCS Engineering training course (ASORC) by YMA.

- : Honeywell Experion PKS C300 training course (ASORC) by Giza Systems.
- : Honeywell Safety Manager (SM) training course (ASORC) by Giza Systems.
- : Siemens PLC S7-300 programming course (one week at Suez Oil Production Co. Training Center).
- : Primavera (6) basic course (10 days at ASORC Training Center).
- : Process Safety Management (PSM) (ASORC).
- : HAZOP course (ASORC).
- : Root Cause Analysis (RCA) (RES).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2007 till now
- Employer** : Assiut Oil Refining Co. (ASORC)
- Job title** : Instrumentation & Control Engineer
- Job Description** :
- Maintenance, Installation, Calibration and Troubleshooting for the following:
 - Control & On/Off valves.
 - Different types of electronic transmitters (Pressure, Temperature, Flow & Level).
 - Analyzers (PH & Conductivity).
 - Different types of ICSS:
 - ❖ Yokogawa DCS (CENTUM CS3000 & VP), Yokogawa Prosafe RS.
 - ❖ Foxboro DCS (I/A series), SIS Triconex.
 - ❖ Honeywell DCS Experion PKS, SIS Safety Manager (SM).
 - Various types of PLC such as Allen Bradley, Siemens, ABB and Schneider.
 - Participate with ASORC I&C team to complete the following projects:
 - New Crude Heater (10H-103):
 - ❖ Period: Current Project.
 - ❖ EPC Contractor: Enppi.
 - ❖ Scope of supply: New crude oil heater, New DCS Field Control Station (FCS) from YMA, New SIS Safety Control System (SCS) from YMA.
 - ❖ Duties:
 - Review contractor Scope of Work (SOW).
 - Attend KOM with vendor.
 - Review contractor Engineering Documents.
 - Attend HAZOP, SIL study & 3D model session.
 - New Naphtha Complex Process & Utility Area:
 - ❖ Period: Current project.
 - ❖ PMC: WorleyParsons.
 - ❖ EPC Contractor: Enppi (Offsite & Utility area), Enppi & Amec FosterWheeler (Process area).
 - ❖ Licensor: Axens – France.
 - ❖ Scope of supply: Build-up a new units which consisting of:
 - New process area including Naphtha Hydro-treater, CCR, Isomerization units.
 - New Utility & Offsite units including Boilers, Nitrogen generation, I&U air compressors.
 - ❖ Duties:

- Review licensor print-out.
- Review Licensor Process Design Package (PDP).
- Review EPC Detailed Engineering data.
- Attend HAZOP, SIL study & 3D model session for Naphtha Hydro-treater & Isomerization units.
- Attend HAZOP study for Water Tube Boiler.
- Carry out FAT of Honeywell ICSS (DCS, SIS & FGS) for Utility area for 2 weeks at Ismailia Free Zone.
- Carry out pre-commissioning, commissioning & SAT activities of the following:
 - ICSS.
 - Nitrogen production unit.
 - Steam boiler generation package.
 - Demineralized water & Condensate Treatment package.
 - Fire Alarm Control Panels (FACP) of control & Sub-station buildings.
- New Vapor Recovery Unit (VRU#2):
 - ❖ Period: From 2014 to 2016.
 - ❖ EPC Contractor: Enppi.
 - ❖ Scope of supply:
 - Supply of new DCS system and marshalling cabinets containing the new VRU signals.
 - Upgrade existing Yokogawa DCS from CENTUM CS3000 to CENTUM VP.
 - Upgrade of existing SIS from Yokogawa Prosafe-PLC to Prosafe-RS which containing both existing and new VRU signals.
 - Supply of new F&G system.
 - Supply of new gas compressors package.
 - Supply of new field instruments.
 - ❖ Duties:
 - Review all ICSS vendor (YMA) Engineering Documents.
 - Attend ICSS (DCS & ESD systems) meetings (PDM & CDM) with EPC / YMA representatives.
 - Carry out Software FAT for ICSS.
 - Carry out SAT for ICSS.
- New Gas compressor:
 - ❖ Period: From 2014 to 2015.
 - ❖ EPC Contractor: Enppi.
 - ❖ Scope: Supply of new gas compressor 950 M3/HR.
 - ❖ Duties: Carry out SAT for PLC based cabinet (Siemens S7-400H).
- Revamp of field instruments & control system for existing boilers:
 - ❖ Period: From 2010 to 2013.
 - ❖ EPC Contractor: Egyptian Maintenance Company (EMC).
 - ❖ Scope of supply:
 - Upgrade of Foxboro I/A Series processor from CP60 to FCP270 & Baseplates.
 - Install new Engineering & Operator workstations.
 - Install new BMS panels for start-up and shutdown.
 - Field instruments revamping including (Transmitters, Control valves, On-Off valves, Flame scanners, Switches,

- Analyzers.....etc.).
 - ❖ Duties:
 - Carry out FAT for Foxboro new processor node at Invensys premises in Suez for three (3) days.
 - Carry out FAT for BMS cabinets (Qty. 2) at Soulintec premises in Alexandria for four (4) days.
 - Carry out SAT for DCS Foxboro I/A Series (FCP270).
 - Carry out SAT for BMS cabinets (PLC based Siemens S7-400FH).
- Revamp of field instruments & control system for Crude Distillation Unit (CDU#1):
 - ❖ Period: From 2008 to 2010.
 - ❖ EPC Contractor: Petrojet.
 - ❖ Scope of supply:
 - Demolish of Fisher PROVOX DCS workstations, marshalling and system cabinets.
 - Install new Yokogawa DCS marshalling and system cabinets (as extension for existing Yokogawa CENTUM CS3000 located in CDU#2).
 - Install new Engineering & Operator workstations.
 - Revamp most of CDU1 field instruments (Control valves & Transmitters).
 - ❖ Duties:
 - Review all Yokogawa Engineering Documents.
 - Carry out FAT for DCS at Giza Systems premises in Egypt for one (1) week.
 - Carry out SAT for DCS.
- Automatic foam extinguishing system for fixed and floating roof tanks:
 - ❖ Period: From 2008 to 2010.
 - ❖ EPC Contractor: Egyptian Maintenance Company (EMC).
 - ❖ Duties:
 - Supervise installation of firefighting cabinet.
 - Supervise installation of heat detectors (fixed tanks), linear hear detector (floating tanks) and switches.
 - Carry out SAT.
- Automatic start-up for firefighting pumps:
 - ❖ EPC Contractor: Egyptian Maintenance Company (EMC).
 - ❖ Scope: Supply & Install of PLC cabinet in order to control the sequence of start-up set of firefighting pumps in case of fire.
 - ❖ Duties: Carry out SAT for PLC based cabinet (Allen Bradley).

Dates : From May 2007 till Dec. 2007
Employer : LAVA Ltd Co. – Giza, Egypt
Job title : Maintenance Engineer
Job Description : Maintenance of Leibinger, REA & Kortho machines for coding and printing.

Dates : From Jan. 2007 till May 2007
Employer : AL WATANIA FOR ENGINEERING & TRADE Co. – Cairo, Egypt
Job title : Sales Engineer

Job Description : Marketing of AC Motors (WATT DRIVE), Gear Box (WATT DRIVE), Inverters (ABB) and P.F Capacitors (FRAKO).

Field of experience : More than 14 years as Instrumentation & Control Engineer at Oil & Gas field, during this period, I get an extended practical experience in the following:

- Carry out preventive and corrective maintenance of field instruments (pressure, temperature, flow, level).
- Carry out corrective maintenance and repair of control & on/off valves.
- Carry out corrective maintenance and troubleshooting for various types of DCS systems for process and utility areas and PLC.
- Prepare & Review of technical / commercial bid evaluation.
- Review & Approve EPC contractors print-out such as:
 - P&ID's.
 - Instrument specification sheets.
 - Instrument list & IO database.
 - Mechanical, Electrical & Pneumatic Hook-ups.
 - Pneumatic & Electrical instruments layouts.
 - Instrument cable routing & cable schedule.
 - Control room equipment layout.
 - Control room cable routing.
- Review & Approve ICSS & Package vendors print-out:
 - Control system architecture.
 - Cabinet GA/IA drawings.
 - Nest loading.
 - System cable schedule.
 - Detailed IO database.
 - DCS loop drawings.
 - ESD wiring diagram.
 - Logic diagram.
 - Cause & Effect matrix.
 - FAT & SAT procedure.
- Attend HAZOP, SIL study sessions for different units.
- Attend 3D model review session for different units.
- Carry out FAT & SAT activities for different control systems (DCS, SIS & BMS).
- Supervise construction & pre-commissioning activities for different projects.
- Carry out commissioning & start-up activities for different projects.