

Has more than 33 years of Instrument and Control Systems experience in Construction, Calibration, Loop check, Commissioning and Maintenance of Pneumatic Instrument & Control System Power Plants, Petrochemical, Oil and Gas Plant and Water Treatment Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 25/06/1967  
Gender : Male  
Marital Status : Married  
Residence : El-Marg, Cairo

## **EDUCATION**

: Secondary Technical School

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Training course in the field of repairing & maintenance motherboard of PC.  
: MS course.  
: Internet and IT course.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From May 2017 till now  
**Employer** : Techint Engineering & Construction (CP-118)  
**Project** : South Helwan Supercritical Power Plant 3x650MW  
**Job title** : INSTRUMENT INSTALLATION SUPERVISOR

**Dates** : From Jul. 2015 till Jun. 2016  
**Employer** : Doosan for construction & heavy industries  
**Project** : El Ain El Sokhna Supercritical Thermal Power Station

**Job title** : I&C Manager

**Dates** : From Mar. 2014 till Jun. 2015

**Employer** : Doosan for construction & heavy industries

**Project** : El Ain El Sokhna Supercritical Thermal Power Station Boiler

**Job title** : I&C Commissioning Supervisor

**Job Description** : 

- Loop check for all boiler instruments using Yokogawa hart communicator.
- Field calibration & parameters modification for transmitters.
- Loop check & function check for solenoid valves, control valves (SIEMENS & ABB), & Motorized valves (AUMA).
- Loop check for control dumpers (ABB) & shutoff dampers.
- Loop check for boiler soot blowers.
- Auto Calibration for all control valves & control dampers.
- Motorized valves Calibration.
- Loop check & Function check for all valves & equipments on burners skids (valves, flame scanners, limit switches).
- Line check for all valves & instruments cables.
- Troubleshooting for transmitters and valves problems.

**Dates** : From Sep. 2013 till Mar. 2014

**Employer** : ThyssenKrupp

**Project** : LADAN PROJECT IN SUEZ

**Job title** : Instrument Supervisor

**Dates** : From Mar. 2006 till Jun. 2012

**Employer** : GMS (Bonatti – Dietsmann) (Maintenance) Co.

**Project** : West Libya Gas Project Mellitah Plant (WLGP) and WAFA Coast

**Job title** : Senior Field Instrument Supervisor

**Job Description** : Units:

- Utilities.
- Desalination unit.
- Gas Treatment.
- Sulphur Treatments.
- Jetty gas & Oil Loading Armes.

**Dates** : From Jun. 2005 till Mar. 2006

**Employer** : Bonatti - Under supervision from Snamprogetti

**Project** : West Libya Gas Project Mellitah Plant (WLGP)

**Job title** : Instrument Supervisor (construction)

**Job Description** : 

- Various instruments calibration.
- Pre-commissioning & commissioning.
- Functional tests.

**Dates** : From Aug. 2004 till Jun. 2005

**Employer** : Degremont Company (Maintenance)

**Project** : Gabal El Asfar WWTP – Stage 2 – phase 1  
**Job title** : Instrument Technician (maintenance & calibration)  
**Job Description** : O2 and redox analyzer, ultrasonic transmitter, flow magnetic transmitter, auma multi-turn actuators and fire & gas 5704 series control system & zellweger analytics (CH4 – H2S).

**Dates** : From Apr. 2004 till Jul. 2004  
**Employer** : Carlo Gavazzi  
**Project** : Gas derivatives separation plant (Natural Gas)  
**Job title** : Instrument Technician  
**Job Description** : Calibration for all instruments and commissioning.

**Dates** : From Aug. 2003 till Mar. 2004  
**Employer** : Seconded to Rashpetco commissioning team for start-up 2 units of gas compression station (NUOVO)  
**Project** : Rosetta field development p1-A  
**Job title** : Instrument Technician  
**Job Description** : Carry out of mechanical completion of instruments, wiring continuity check, loop check, which are controlled by HIMA PLC and MARK 6 systems. Bench and field instrument calibration, function test.

**Dates** : From Jan. 2003 till Aug. 2003  
**Employer** : Carlo Gavazzi & Bechtel  
**Project** : Burullus Scarab Saffron Field Development Project  
**Job title** : Instrument Commissioning Technician  
**Job Description** : Calibration for all instruments, commissioning, calibration of field bus instrument.

**Dates** : From Jun. 2002 till Jan. 2003  
**Employer** : Carlo Gavazzi  
**Project** : East Port Said Power Plant  
**Job title** : Instrument Technician  
**Job Description** : Calibration of all instrument type (ABB – Fisher – Rosemount, Yokogawa – Endress+Hauser).

**Dates** : From Jan. 2001 till Apr. 2002  
**Employer** : Carlo Gavazzi  
**Project** : Alex. Petroleum AMOC  
**Job title** : Instrument Technician (calibration all instrument)  
**Job Description** : LT Displacement, valve matrix & fisher. Loop check and commissioning.

**Dates** : From Jun. 2000 till Dec. 2000  
**Employer** : Technip K.T.I s.p.a Egypt branch  
**Project** : Suez Oil Processing Co.  
**Job title** : Instrument Supervisor

- Job Description** : All of instrument construction loop check, commissioning and start-up (two projects) hydrogen plant & sulphur plant.
- Dates** : From Dec. 1999 till Jun. 2000
- Employer** : A.B.B Petroleum Company
- Project** : Fertilizer Factory
- Job title** : Instrument Technician
- Job Description** : Calibration of all Instruments (indicators, transmitters, switches, thermocouples, recorders, valve, other), check out, troubleshooting of the Instruments and loops to ensure correct indication.
- Dates** : From Dec. 1998 till Dec. 1999
- Employer** : Siglec & Electro Tharwat Co.
- Project** : Ayoun Moussa (2x320MW)
- Job title** : Instrument Technician
- Job Description** :
  - Start-up and water treatment system.
  - Turbine, boiler.
  - Water treatment system including as follows:
    - Raw water station.
    - Demineralized.
    - Waster water.
  - Check out and troubleshooting of the instrument & loops to insure correct indication to control room arrange with client or loop check.
  - Calibration of all in laboratory checks out and troubleshooting of electrical control circuits.
  - Operation DCS Screen.
- Dates** : From Nov. 1996 till Mar. 1998
- Employer** : Invap & Kollaly (J.V) Anshas
- Project** : Cairo Project second research reactor
- Job title** : Instrumentation Technician (calibration & QC)
- Job Description** :
  - All sensors, all transmitters installation.
  - Maintenance, commissioning for second research reactor, QA/QC department (flow up & document control).
- Dates** : From Aug. 1985 till Oct. 1996
- Project** : Shoubra El-Kheima Power Station (Maintenance)
- Job title** : Instrument Maintenance Technician
- Job Description** : Calibration for instrumentation for all sensors & transmitters (TE, TT, TS, FE, FS, PT, PS) all instrument, loop oil system and control oil system of work.
- Field of experience** :
  - Leading a team consists of instrument Technicians, Instrument & Electrician for installation & commissioning and maintenance of process control instrumentation field.
  - Reviewing of instrumentation drawings such as instrumentation location and cable tray layout, installation hook ups, junction boxes, loop schemes & cable schedules.
  - Manpower planning and estimation, and preparation reports and

recommendations to avoid recurrence, preparation of various progress reports, PM task reports and purchase requisition for spares.

- Experience in preparation/ review of all types of field instruments, material and instrument fittings requisitions, cable schedule, instrument data sheets, Hook up diagrams, loop diagrams, P&ID's & As built drawings for instruments.
- Carrying out project nature major / minor shutdown activities of removing all field instruments, calibration, installing back, inspection, loop checking & commissioning.
- Having good experience in instrument construction, modification, commissioning, maintenance and trouble shooting of power plants, water treatment plant & Oil and Gas plant.
- Self confident in successfully handling the assigned tasks & responsibilities and completing that with in the allocated time frame.
- Routine maintenance, Troubleshooting and Calibration of all kind of process related instruments.
- Planning and organizing of work schedule.
- Preparing and updating of P.M (preventive maintenance) procedure.
- Communication with Engineer from Vendor for material evaluation required for functional area.
- Carried out Preventive maintenance activities all over the plant as per schedule. It includes Calibration, Visual Inspection and Servicing, maintenance of the related instruments as per the procedure.
- Calibration and Servicing of quality connected ISO related Instruments and was trained and authorized to do all sort of maintenance on those instruments and proper management of records and certificates related to the Equipments used.
- Troubleshooting jobs on day-to-day notification send by operations and making reports of the cause and case study in case of complex process related problems.
- Guide Junior Staff for modifications and PM Activities with proper reference to the supporting documents.
- Preventive Maintenance activities for online process analyzers and its maintenance on break down. Calibration of the analyzers with Standard gases and liquids as references.
- Assist System Engineers for all the system related troubleshooting and maintenance.
- INSTALLATION, CALIBRATION AND MAINTENANCE OF THE CONTROL INSTRUMENTS (ELECTRONIC AND PNEUMATICS).
- COMMISSIONING AND TESTING CONTROL CIRCUITS, INTERLOCK CIRCUITS, CLOSED LOOP CIRCUITS.
- ARRANGE WITH CONSULTANT AND CLIENT FOR LOOP CHECK.
- CALIBRATION OF ALL MOTORIZED AND PNEUMATIC CONTROL V/V.
- COMMISSIONING AND START-UP OF STEAM TURBINE, BOILER AND WATER TREATMENT SYSTEM.
- CHECK OUT AND TROUBLSHOOTING OF THE INSTRUMENTS LOOPS.
- CALIBRATION OF ALL INSTRUMENTS IN LABORATORY.
- INSTALL ALL INSTRUMENT EQUIPMENT.
- MAINTENANCE, CALIBRATION AND ADJUSTMENT FOR ALL INSTRUMENTS RELATED TO THE FIELD AND CONTROL ROOM

LIKE:

- PNEUMATIC CONTROL VALVES.
  - PRESSURE, TEMPERATURE, LEVEL AND FLOW TRANSMITTERS.
  - RECORDERS, SWITCHES, INDICATORS AND CONTROLLERS.
  - TURBINE SUPERVISOR SYSTEM (WESTINGHOUSE).
  - TURBINE CONTROL DIGITAL SYSTEM (MEH) (WESTINGHOUSE).
  - EMERGENCY TRIP SYSTEM.
  - STEAM TURBINE & ELECTRIC FEED PUMPS SYSTEM.
  - STEAM BYPASS HYDRAULIC & SERV V/VIS CONTROL SYSTEM.
  - ALL INSTRUMENTS TRANSFER FROM MECHANICAL TO ELECTRICAL SIGNAL.
- Instrument of boiler loop check for all boiler instruments using Yokogawa hart communicator.
  - Field calibration & parameters modification for transmitters.
  - Loop check & function check for Yokogawa hart communicator.
  - Field calibration & parameters modification for transmitters.
  - Loop check & function check for solenoid valves, control valves (SIEMENS & ABB) & Motorized valves (AUMA).
  - Loop check for control dumpers (ABB) & shutoff dampers.
  - Loop check for boiler soot blowers.
  - Auto Calibration for all control valves & control dampers.
  - Motorized valves Calibration.
  - Loop check & Function check for all valves & equipments on burners skids (valves, flame scanners, limit switches).
  - Line check for all valves & instruments cables.
  - Troubleshooting for transmitters fire system and valves.
  - (O<sub>2</sub>) and redox analyzer, ultrasonic transmitter, flow magnetic transmitter, auma multi-turn actuators and fire & gas 5704 series control system & zellweger analytics (CH<sub>4</sub> – H<sub>2</sub>S).