

Has over 17 years hands-on experience in instrumentation installation / commissioning and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/04/1980  
Gender : Male  
Marital Status : Married  
Residence : El Mahalla El Kubra

## EDUCATION

: Medial Diploma in Industrial Specialization, Mahalla Secondary Mechanical Industrial, Gharbia, 1997

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Win CC Flexible, Don Bosco Institute Certificate Alexandria (Jun./Jul. 2012).  
: Programmable Logic Controller (PLC Siemens) Step 7-300, Don Bosco Institute Certificate Alexandria (May/Jun. 2012).  
: Pneumatic & Hydraulic control, Bapetco - West Desert (Jan./Feb. 2007).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2018 till now  
**Employer** : Bechtel National Inc.  
**Project** : Gas Field Production (WND) West Nile Delta Company  
**Job title** : Instrument Field Supervisor  
**Job Description** :

- Install & Commissioning start-up for 6 GTG Solar gas turbine driven generators (Centaur 40).
- Worked as a system owner for F&G system Detection and fighting Field & buildings.

- Site surveys, index, cable block diagrams, instrument location layouts, cable routing, cable schedule, wiring diagrams, loop diagrams.
- Supervising Construction/Commissioning Activities.
- Preparation of as built Drawings.
- Supervision of Calibration of Instruments and Verification of test Reports.
- Progress reporting to the Construction Manager on Daily, Weekly and Monthly basis.
- Carry out inspection, surveillance witnessing of contractor activities, ensuring records are maintained, including as -built data.
- Ensure overall construction is executed in accordance within applicable specifications, drawings, codes and standards and to the requirements of the Contract.

**Dates** : From Jul. 2017 till May 2018  
**Employer** : GS ENGINEERING & CONSTRUCTION  
**Project** : ERC  
**Job title** : Instrument Supervisor  
**Job Description** :

- Supervising and monitoring loop Checking for IO signals with the central control room (Honeywell DCS system) and (ESD / F&G PLC HIMA system) and (Allen Bradley LOGIX 5000 system for all Packages).
- Participate in daily and weekly meetings with client and consultants.
- Supervising and monitoring the work of Sub contractors as per project schedule.
- Update as built of instrumentation cable termination drawings and Layouts.
- Verify all Instrument mechanical completion activities performed by the Construction Contractor including approval of punch lists.
- Ensure that the works proceed in conformity with the pre-commissioning schedule, and report any deviations to the Area Superintendents.
- Participate to the review and approval of the Yard tubing testing and cable testing procedures.
- Review and approve Hazardous Area Instrumentation Installation Inspections Test Reports (EX ITRs).
- Commission systems/subsystems in accordance with the commissioning procedures and commissioning and start-up schedule.
- Assist Vendor servicemen with their commissioning activities.
- Supervise mechanical completion and plant handover and make sure that the “punch lists works” are performed correctly.
- Responsible for safety, safe working practices and environmental issues in all the areas under their control.

**Dates** : From Sep. 2016 till Apr. 2017  
**Employer** : ADVANSYS PROJECTS  
**Job title** : Instrument Supervisor  
**Job Description** : Supervised installation for new system fire and gas detection and fighting indoor/outdoor for Hotel HILTON TABA.

**Dates** : From Jun. 2016 till Aug. 2016  
**Employer** : ON-SHORE JV (ENPPI and TOYO)

**Project** : Polyethylene Project (ETHEDCO) / Ameria Alexandria, Egypt  
**Job title** : Instrument Commissioning Supervisor  
**Job Description** :

- Supervised installation and over handling and calibration pneumatic and electronics and hydraulic Instrument.
- Hands-on experience of calibration configuration of various types pressure, flow, level, temperature transmitter and controller (Pneumatic, Smart field bus).
- Verifying Loop check for all on & off skid instruments.
- Verifying the instrument functionality and the system logic integrity for HART based instruments.
- Verify cause and effect matrix for all on off skid instruments.
- Responsible to check and verify the functionality of the field utilities (Air Compressors, Air Driers, Analyzers).

**Dates** : From Apr. 2015 till May 2016  
**Employer** : IAE INSTRUMENTATION & AUTOMATION & EST joint venture (ARAMCO)  
**Project** : Water Injection SAUDI ARABIA / AINDAR WIP1  
**Job title** : Instrument Supervisor  
**Job Description** : Implement and configuration for signals communications between 2 HVAC units type (EMERSON) which have signals communicate for DCS system Type (Invensys) and other signals for alarms and trip, Communicate for ESD system Type (Triconix).

**Dates** : From May 2014 till Feb. 2015  
**Employer** : Enppi Engineering for the petroleum & process industries joint venture (SHELL)  
**Project** : Gas Compressors model: (Solar turbines) Taurus 70 Compressor (Carbon removable plant), Egypt / Western Desert  
**Job title** : I&C Supervisor  
**Job Description** :

- Installation all instruments pneumatic and electrical types (level, flow, temperature, pressure transmitters, on off valves, control valves, switches, temperature elements RTD and Thermocouple, vibration probes) for 6 Solar turbines Taurus 70 Compressor.
- Pre-commissioning and commissioning all instruments for 6 Solar turbines Taurus 70 Compressor and utility system.
- Pre-commissioning and commissioning all detectors Smoke, heat, gas, flame, indoors and outdoors for 6 Solar turbines Taurus 70 Compressor.
- Pre-commissioning and commissioning all fire fighting (CO2) for 6 solar turbines Taurus 70 Compressor.
- Installation, Loop Checking and commissioning for Addressable system simplex.
- Installation, Loop Checking and commissioning for & VESDA system.
- Megger continuity test for all cable's I/O'S signals AS shell standard.
- Installation, Alignment, Loop checking, commissioning for Dragger, Det-tronics open path gas detectors.
- Installation, calibration, commissioning for Det-tronics, Net safety spot type gas detectors.
- Installation, commissioning for Det-tronics, Net safety 3IR flame detectors.
- Installation, commissioning for firefighting deluge, Self-Oscillating

monitors, (FM200, CO2 & sprinkler systems) Installation, commissioning for Heat detectors (Addressable, Conventional, LHD).

- Assist Vendor servicemen with their commissioning activities.

**Dates** : From Sep. 2013 till May 2014  
**Employer** : Enppi Engineering for the petroleum & process industries joint venture (BP)  
**Project** : GAS Compressors Egypt - Port Said (model: (Solar turbines) Mars 90 Gas Turbine Compressor)  
**Job title** : I&C Commissioning Supervisor  
**Job Description** :

- Supervision for installation all instruments pneumatic and electrical types (level, flow, temperature, pressure off valves, control valves, switches, temperature elements RTD and Thermocouple, vibration probes) for 8 Solar turbines Mars 90 Gas Turbine Compressors.
- Pre-commissioning and commissioning all instruments for 8 solar turbines Mars 90 Gas Turbine Compressors and utility system.
- Pre-commissioning and commissioning all detectors Smoke, heat, gas, flame, indoors and out doors.
- Pre-commissioning and commissioning all fire fighting (CO2) for 8 solar turbines Mars 90 Gas Turbine Compressors.
- Installation and Calibration of all Instruments and Fire & Gas Devices Mars 90 Gas Turbine Compressor.
- Installation and commissioning for gas detectors-open path gas detectors, spot type (Honeywell).
- Installation and commissioning for CCTV micropackFDS301 Visual Flame Detector.
- Preparation of inter connection wiring diagrams.
- Participate in daily and weekly meetings with client and consultants.
- Supervising and monitoring the work of Sub contractors as per project schedule.
- Preparation of work permits and approval.
- Loop Checking, commissioning fire detection and fighting System start-up.
- Installation and commissioning for ENERGEN firefighting system.
- Commission systems/subsystems in accordance with the commissioning procedures and commissioning and start-up schedule.

**Dates** : From Feb. 2012 till Aug. 2013  
**Employer** : Enppi Engineering for the petroleum & process industries joint venture (E-Styrenics)  
**Project** : Petrochemical-Styrene Egypt / Alexandria  
**Job title** : FG Instrument Commissioning Technician  
**Job Description** :

- Calibration all instruments transmitters, control valves (foundation fieldbus).
- Commissioning and start-up for Silos plant through Siemens Step 7-300 with the central control room.
- Calibration and commissioning for gas analyzer which measure oxygen Concentration in styrene, ethyl benzene tanks.
- Commissioning and start up for bagging system.
- Installation, calibration, alignment for all Gas and Flame detectors.
- Loop Checking, commissioning fire detection and fighting System

start-up.

**Dates** : From Aug. 2011 till Feb. 2012  
**Employer** : Enppi Engineering for the petroleum & process industries joint venture (E-Gas)  
**Project** : GE frame 7 GAS compressors Egypt / Dahshour  
**Job title** : I&C Senior Technician  
**Job Description** :

- Install Temperature & Vibration Bentley Nevada elements and coaxial cables to Proximitor modules and alignments radial & axial probes.
- Supervision for Calibration and testing on calibration lab.
- Supervision for installation all instruments pneumatic and electrical types (level, flow, temperature, pressure transmitters, on off valves, control valves, switches, temperature elements RTD and Thermocouple, vibration probes) for 4 Gas Compressors GE frame 7 and utility system.
- Install and adjustment axial & radial & Keyphasor probes according the procedure of manufacturer.
- Pre-commissioning and commissioning all instruments for 4 Gas Compressors GE frame 7 and utility system.
- Pre-commissioning and commissioning all detectors Smoke, heat, gas, flame, indoor and out door.
- Pre-commissioning and commissioning all fire fighting (CO2) for 4 Gas Compressors GE frame 7.
- Pre-commissioning & commissioning for fire water pumps Diesel, Electrical, Jockey pumps.

**Dates** : From Feb. 2010 till Jun. 2011  
**Employer** : Egyptian Maintenance Company (EMC)  
**Project** : LNG Plant, DAMIETTA, EGYPT  
**Job title** : Instrument & Electronic Workshop Maintenance Foreman  
**Job Description** :

- Implementation of preventive and corrective maintenance according the annual maintenance plan and troubleshooting for 12 Gas compressors GE.
- Responsible for Maintenance all fire and gas detection on compressor skid (smoke, gas, IR flame, 3 IR flame detectors, and manual call points) indoor /outdoor compressor area.
- Also responsible for Maintenance, alignment all fire and gas detection (open path gas detectors in compressor zone area.
- Responsible for Maintenance control and interface signals of fire water pumps Diesel, Electrical, Jockey pumps.
- Responsible for maintenance workshop calibration and troubleshooting activities.
- Responsible for maintenance and calibration of all instrumentation different types (pneumatic, hydraulic, smart on the compressors and turbines and utilities skids).

**Dates** : From Jun. 2009 till Jan. 2010  
**Employer** : Yemen Gas LNG joint venture (Technip)  
**Project** : LNG Yemen / Balhaf  
**Job title** : I&C Commissioning Technician

**Job Description** : 

- Responsible for Calibration and installation all instruments pneumatic and electrical types (pressure transmitters, on off valves, control valves, switches, temperature elements, vibration probes) for 6 Gas compressors GE.
- Install and adjustment axial & radial & Keyphasor probes according the procedure of manufacturer.
- Loop Check, Pre-commissioning and start-up for field utilities (Air Compressors, Air Driers, Nitrogen, Steam boilers).
- Commissioning and start-up for Nitrogen plant through Allen Bradley PLC LOGIX 5000 with the central control room.
- Commissioning and start-up the for Motorized valves with the Central control room.
- Commissioning and start-up for Steam boilers with the central Control room.
- Also participate in Operation maintenance and trouble shooting for utility area.
- Preparation of work permits and approvals.
- Preparation of daily and weekly report.

**Dates** : From Oct. 2006 till May 2009

**Employer** : Bapetco joint venture (Shell)

**Project** : Oil & Gas Production, Western Desert

**Job title** : Instrument Foreman

**Job Description** : 

- Working in different scenarios of Oil wells: Gas Lift, ESP Pump, water injection.
- Preparation of Hook-up diagrams.
- Preparation, installation for (oil & gas) Baker wellhead Hydraulic control panel, commissioning start-up.
- Planning and scheduling of daily activities.
- Calibration for all instruments transmitters, pilots, control valves, pneumatic controllers.
- Loop Checking, Pre-commissioning and System start-up.

**Dates** : From Jan. 2004 till Jun. 2006

**Employer** : Abu Madi Gas Field joint venture (Eni)

**Project** : Gas Production, Mansoura

**Job title** : I&C Technician

**Job Description** : 

- Calibration all instruments and switches for 3 Gas compressors Nuovo Pignone.
- Install and adjustment axial & radial & Keyphasor probes according the procedure of manufacturer.
- Systemize coaxial cables on cable trays from compressors side to proximator sensors in junction boxes and from JB's side to control cabinets of system Bentley Nevada control and monitoring with system control room.
- Loop Checking, Pre-commissioning and System start-up.
- Preparation of work permits and approval.
- Preparation of cable termination schedule.

- Dates** : From Nov. 2002 till Dec. 2003
- Employer** : Adec Electronics & Control joint venture (Khalda Petroleum)
- Project** : Oil and Gas Production, Western Desert
- Job title** : Instrument Technician
- Job Description** :
- Installation and Calibration of all Instruments pneumatic and Hydraulic.
  - Calibration for different type of transmitter (pressure – flow – level – temperature).
  - Installation and Calibration of control valves.
  - Loop Checking, Pre-commissioning and System start-up.
- Field of experience** :
- Expert in gas turbine generators & compressors Manufacturers such as, Solar turbines Caterpillar I, Mars 90 Gas, Solar turbines Caterpillar Inc Taurus 70 Compressor, Nuovo Pignone (GE) centrifugal compressor GE frame 9FA, 9E, 7FA, 7E, 6FA, 6B and 5 Gas turbine's & C7, and SC4 steam turbines and Generators in various Power and Gas Plants all over the Middle East.
  - Maintenance and calibration of all instrumentation different types (pneumatic, hydraulic, smart on the compressors and turbines and utilities skids.
  - Implementation of preventive and corrective maintenance according the annual maintenance plan and troubleshooting for compressors area.
  - Installation all instruments pneumatic and electrical types (level, flow, temperature, pressure transmitters, on off valves, control valves, switches, temperature elements RTD and Thermocouple, vibration Axial & Radial probes).
  - Installation and Commissioning for Solar turbines Mars 90 Gas Turbine Compressors.
  - Installation and Commissioning for Solar turbines Taurus 70 Compressor.
  - Preventive, corrective, shutdown maintenance and startup of GE Frame 5 gas Turbines and Nuovo Pignone centrifugal compressor, Instrumentation Associated with MARK-II, MARK-IV, MARK-V and MARK-VI SPEEDTRONIC, Control Systems like FOXOBORO DCS, TRICONEX PLC/A.B PLC BN 3500 systems.
  - Calibration of All Turbine & Compressor Instrument.
  - Checked and Adjusted the Vibration Probe and Checked the all Temperature Element for Exhaust Temperature, Bearing Metal & drain Temperature with Machine monitoring system (MMS) Temperature & Vibration Bentley Nevada (3300 & 3500 series).
  - Loop checked and Functional before the Startup, Stoke Checked of Speed ratio Valve, Gas Control Valve and Nozzle and Adjusted the LVDT feedback.
  - Experience with Calibration and Functional Checks of all types of Smart Instruments.
  - Testing & Commissioning of Logic and Interlocks.
  - Field Modifications, Fault Diagnosis & Trouble Shooting.
  - Interpretation of Loop Drawing, Instrument Cabling & Terminations, Cable Schedule, Hook-Up, and P&ID Drawings.
  - Troubleshooting Experience for all Fields Instruments during Loop Check, Start-up and Commissioning Activities.
  - Generation and Maintenance of all types of Records for Quality Control

Checks Including Calibration, Loop Checks and other Inspections.

- Loop test for IO signals & pre-loop check /actual functional check DCS, ESD, F&G, PLC systems.