

Has over 21 years' 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

: High School 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 Feb. 2021 till now
Employer : Advansys Projects
Project : Wataniya Gasoline and Solar Storage Tanks
Job title : Instrument Fire & Gas Supervisor
Job Description :

- Hands-on Engineering and design documents & typical installation details for instruments & fire / gas detectors.
- Instrumentation Data Sheet Verification.
- Preparation of Design Criteria for Controls and Instrumentation.
- Preparation of Field Instrumentation, Control Valves & Pressure Safety

Valves Data Sheet in Smart Plant Instrumentation.

- Preparation of Level Sketches and Cable Block Diagrams, Loop Drawing, Instrument Cabling & Terminations, Cable Schedule, Hook-Up, and P&ID Drawings.
- Preparation of Instrument Installation Details Bulk Material Take off and assist designers in Modelling of instruments and junction boxes.
- Preparation of Complex Loop Control Narratives, Cause and Effect Matrix for Process and F&G System, logic narratives.
- Development of I/O data base for DCS, SIS, F&G and Mechanical Vendor Packages. Preparation of Instrument Index, Data Sheet, Wiring and Loop Diagrams, Loop Folders, Calculation in Smart Plant Instrumentation.
- Lead construction team by daily TBT and give them the guide for daily work activities by safe way. Preparation daily & weekly report to supervisor.
- Coordinate with Vendors in accordance with commissioning schedule.
- Documenting inspection, testing, repair and failure data within the company adopted database system.
- Use and care for tools and equipment employed to perform calibration, testing and repair.
- Read and interpret F&G detection system drawings such as Loop drawings and Cause and Effects as well as understanding various F&G related codes.

Dates	:	From May 2018 till May 2019
Employer	:	Bechtel National Inc.
Project	:	Gas Field Production (WND) West Nile Delta Company
Job title	:	Instrument Field Supervisor
Job Description	:	<ul style="list-style-type: none">• Leader for Install & Commissioning start up for (6) GTG Solar gas turbine driven generators (Centaur 40).• Ensure overall construction is executed in accordance within applicable specifications, drawings, codes and standards and to the requirements of the Contract.• 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.• Loop checking for CCTV micropackFDS301 Visual Flame Detector, FGS instruments, IR Fire/Gas detectors, Open Path Gas Detectors Smoke and Heat detectors, VESDA systems, Manual Call stations, Flame Detectors, Alarm sounder and Beacons.• Loop Checks and Commissioning of all Field Instruments & Cause and Effects testing.• Troubleshooting for all Fields Instruments during Loop Check, Startup and Commissioning Activities. Resolve & make red marked-up and As-Built on site.• 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.

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 Jun. 2016 till May 2017
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 / WIP2
Job title : Instrument Supervisor
Job Description :

- Team Leader for construction team and commissioning start-up for 12 units' HVAC type (EMERSON).
- Arrangement with Aramco team operation and safety daily activities and initiate for work permit.
- Implement and configuration signals communications between DCS system Type (Invensys) and other signals for Emerson HVAC units.

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.
- 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, 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).
- 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 firefighting (CO2) for 6 solar turbines Taurus 70 Compressor Installation, Loop Checking and commissioning for Addressable system simplex.
- Commissioning for Det-tronics, Net safety spot type gas detectors.

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 :

- Installation and commissioning for gas detectors-open path gas detectors, spot type (Honeywell).
- Installation and commissioning for CCTV micropackFDS301 Visual Flame Detector.
- 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 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 outdoors.
- Pre-commissioning and commissioning all firefighting (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.
- 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 startup.
- 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 : F&G Instrument Commissioning Technician

- Responsible for lab Calibration all instruments' transmitters, control valves (foundation field bus).
- Installation, calibration, alignment for all Gas and Flame and open path gas detectors.
- 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 with vendor.
- 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.
- Install and adjustment axial & radial & Key phasor probes according the procedure of manufacturer.
- 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.
- 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, field & buildings.
- 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 troubleshooting for utility area.
- Preparation of work permits and approvals.

Dates : From Oct. 2006 till May 2009
Employer : Bapetco joint venture (Shell)
Project : Oil & Gas Production, Western Desert
Job title : Instrument Foreman
Job Description :

- Install 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 instrument's transmitters, pilots, control valves, pneumatic controllers.
- Loop Checking, Pre-commissioning and System start-up.

Dates : From Oct. 2002 till Jun. 2006
Employer : Abu Madi Gas Field joint venture (Eni)
Project : Gas Compression, 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.

Field of experience :

- Expert in Oil and Gas industry, with good knowledge of DCS, PLC's, ESD / F&G Systems.
- Planning and support Instrumentation Fire and Gas (F&G) Engineering activities, EPC, Start-up phase.
- Extensive experience of Instrument/F&G engineering supports to the division strategy and goals which includes design reviews, commissioning, start-up, failure analysis and advanced troubleshooting.
- Instrumentation Data Sheet Verification.
- Interpretation of Loop Drawing, Instrument Cabling & Terminations, Cable Schedule, Hook-up and P&ID Drawings.
- Planning for Troubleshooting for all Fields Instruments during Loop Check, Start-up and Commissioning Activities.
- Hands-on DCS knowledge at a loop check level.
- Hands-on PLC knowledge at a loop check level.
- Expert with Calibration and Functional Checks of all types of Smart Instruments.
- Testing & Commissioning of Logic and Interlocks.
- Field Modifications, Fault Diagnosis & Trouble Shooting.
- Troubleshooting Experience for all Fields Instruments during Loop

Check, Start-up and Commissioning Activities.