AHMED HANY MOHAMED

SR. INSTRUMENTATION AND CONTROL ENGINEER



PROFILE

Looking forward to join your reputed company as Instrumentation and Control engineer where my previous 10 years of experience and capabilities can be put into efficient use. I possess effective organizational skills and ability to supervise a team and develop the required output with highest standards of safety and quality

CONTACT

MOB.:
+20-100 350 29 89

EMAIL:
Ahanyinst@gmail.com

ADDRESS:
19 SALAH ST., Suez, Egypt

LANGUAGE

Arabic: Mother Tongue
English: Very Good written and spoken

WORK EXPERIENCE

Sonker Energy (Oil and Gas) – Senior Instrumentation and Control Engineer.

7/2019 – Present

Lead Instrument and control team to perform maintenance Plan, contributed in construction and commissioning activities and reporting to E&I Section Head.

Achievements:

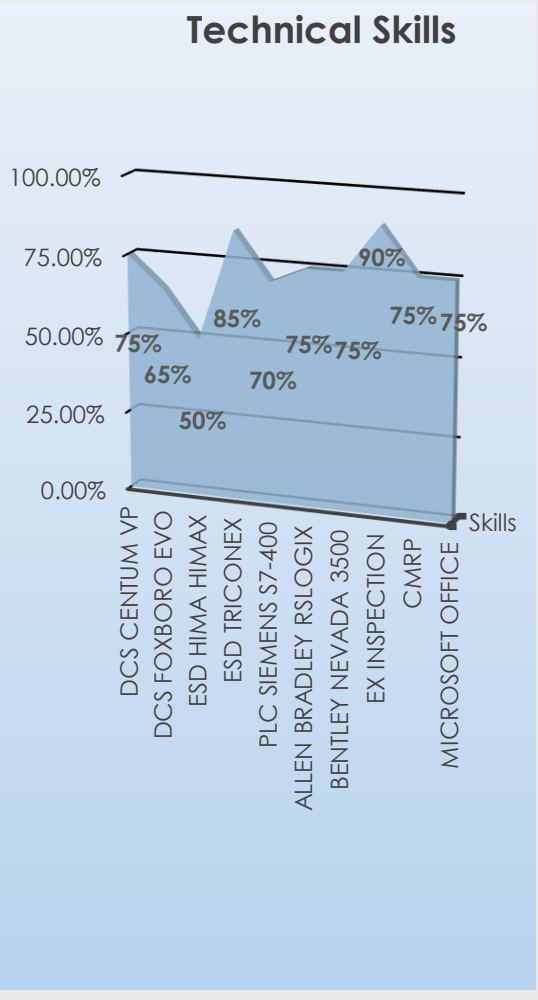
- Contributed in Construction, pre-commissioning, commissioning and startup of Gasoil and LPG tank farm and Liquefaction systems.
- Prepared Plant Instrumentation categorizing and Data gathering for Asset Management system implementation.
- Prepared Field Instrumentation and Control system Spare parts PRs upon criticality analysis and provided two years spare part.
- Prepared Full Instrumentation and control system procedures and work instructions in accordance with ISO 9001.
- Prepared and designed full instrumentation preventive maintenance plan.
- Performed Foxboro DCS FAT test.

Responsibilities:

- Planning of maintenance activities and prepare Annual, Monthly and weekly Plans and implement preventive and corrective maintenance.
- Dealing with P&ID, Hook-up, Loop Drawing, Mechanical Drawing, function diagram, Control narratives and C&E diagrams.
- Using of SAP CMMS system to Perform work and track KPIs.
- Maintenance of:
  - All measurement instruments and valves.
  - Fire and Gas systems including:
    - TYCO building fire suppression system.
    - Dry Chemical Extinguishing system.
    - Honeywell XLS3000 building Fire Alarm control system.
    - Triconex Fire and Gas control system.
    - Fire and gas detectors and final elements.
  - Honeywell Tank Gauging system including radar and servo type transmitters, Entis Pro and Enguage software.
  - Bentley Nevada Vibration System.
  - SIS ESD Triconex System.
  - Schneider DCS Foxboro Evo system.
  - Marine loading arm instruments and Allen Bradley control system.
  - PLC system Siemens S7-400 Redundant and Fault Tolerant.
  - Krohne Custody Metering system including Allen Bradley PLC.
  - Emerson Gas Chromatography analyzer.
- Contribute in tendering and vendor offer assessments for required projects.
- Initiating necessary Purchase requisition for spare parts and tools.
- Improve engineers and technician competency using on job training.
- Initiate necessary MOC for system and instrument Modifications.

CERTIFICATIONS

- Certified Honeywell Fire Alarm Control System XLS3000 programmer
- Siemens Certified ST-PRO2 Advanced S7-400 Programming
- AK3 and A8000 RTU Siemens system certified training at Siemens Wein, Austria.
- Comp EX certified - Candidate number:80421358.
- Certified Training of Small-Bore Tubing at Swagelok.
- Yokogawa Instrumentation by Yokogawa OMPCI



Egypt Hydrocarbon Corporation - Instrumentation and Control Engineer.
12/2018 – 7/2019

Perform corrective and preventive maintenance activities for Field instruments, Yokogawa Centum DCS, HIMA Himax ESD, Siemens PLC control systems and creating necessary PRs of spare parts

Achievements:

- Implementation of new temperature signals modifications and connecting them to boiler control system (S7-300), logic modification was done, viewing them on WINCC flexible and communicating the signals to Yokogawa Centum DCS system via Modbus protocol and viewing them on DCS HMI.
- Contributed in implementation of Alarm Management System as per ISA18.2
- Completed DCS Centum VP training (internal)
- Completed ESD HIMA HiMax system training (internal)
- Completed PLC Siemens Step7 training (internal)

Responsibilities:

- Dealing with P&ID, Hook-up, Loop Drawing, Mechanical Drawing and function diagram.
- Applying PM procedures to different instruments including MSA Gas Analyzers
- Implementing SIS proof test of instruments and valves and logic functions and preparing SIL verification reports
- Implementing logic modification as required with respect to agreed MOC process
- Information gathering and implementing prioritization process
- Direct dealing with vendors for solving instruments problem
- Technical study of vendor offers
- Root cause analysis using trends, alarms and events of control system.
- Dealing with CMMS system (MAXIMO).

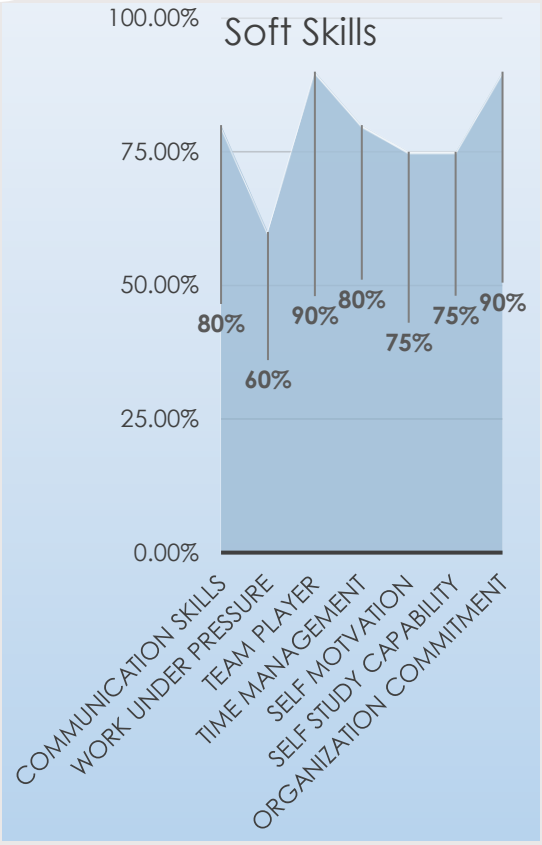
British Petroleum WND Gas project (EMC) - Instrumentation Engineer.
1/2018 – 12/2018

Achievements:

- Completed BP WND standard training package successfully.
- Certified Ex inspector (CompEX: Ex01, Ex02, Ex03, and Ex04).
- Certified Instrumentation calibration and maintenance Training at Yokogawa (OMPCI).
- Certified Training of Small-Bore Tubing at Swagelok.
- Passed Globally CAMS Competency Assurance Management System modules.
- BP Certified Instrumentation Isolation Authority
- Completed a full safety training Package:
  - BP Safety Golden Rules and BOSS Behavioral Observation Safety
  - HITRA Hazard Identification and Task Risk Assessment

Responsibilities:

- Designing work instructions, specific and generic procedures.
- Participate in Walk downs, Ex inspection and Operation Observations.
- Contributing with BP commissioning team in commissioning activities.
- Contribute in DCS Yokogawa Centum VP SAT testing.



Suez Gulf Power Station (EDRA, CGN) - Instrumentation Engineer.

10/2016 – 1/2018

- Dealing with Computerized maintenance management system (Infor10 EAM)
- Dealing with P&ID, Hook-up, wiring, cause and effect and function diagram
- Preparing task risk assessment through STARRT card (Safety Task Assessment and Risk Reduction Talk)
- Designing work instructions and maintenance procedures
- Implementing periodical preventive Maintenance and corrective Maintenance
- Prepare Reports and Calibration sheets
- Maintenance and Calibration of the following instrumentation:
  - Various measurement (pressure- level-flow-Temperature) transmitters.
  - Series Gas Emission analyzers CEMs. (CO, O2, SO2, NOX).
  - Natural Gas Chromatograph and Flow computer for custody transfer.
  - Stroking and adjustment of motorized and pneumatic control valves.
  - PH, Conductivity, Oxygen and Sodium Analyzers.

Nasr for Fertilizers and Petrochemical Industries - Instrument and Control Engineer

11/2012 – 10/2016

Perform maintenance activities for Instruments, valves, control systems and reporting to I&C Senior Engineer.
Achievements:

- Nitric acid plant revamping from relays-based control system to DCS Yokogawa Centum VP.
- Full replacement from Pneumatic to Electronic instruments.
- Upgrading turbine Control system from relay logic to Yokogawa Stardom PLC with Schneider SCADA system, communicating with DCS via MODBUS.
- Compressors Anti Surge Protection system.

EDUCATION

2006- 2011 BSc. of Communication and Electronic Engineering

- ElShorouk Higher Institute of Engineering
- Total grade: Very Good.
- Graduation project grade: Distinction.

TRAINING

- CMRP Online Training
- Foxboro Evo DCS system training by Schneider Electric.
- ESD Triconex system training by Schneider Electric.
- Control System Cybersecurity training by Schneider Electric.
- PLC Siemens s7-400 programming Course
- DCS centum VP training by Giza Systems
- Schlumberger On-Site Training for 1 month.
- Haliburton On-Site Training for 2 weeks.