

AMIR SHEHZAD

Position: Applied For Instrument and Control Technician

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ABOUT ME; Experienced Instrument Technician with expertise in calibration, maintenance, and troubleshooting of industrial instrumentation and control systems. Skilled in operation & maintenance, shutdowns, projects, and commissioning across industries such as power plants, fertilizer plants, oil & gas, Tank Farm and process plants. Proficient in ensuring safety compliance, optimizing instrument performance, and executing maintenance tasks efficiently to enhance plant reliability and operational efficiency.

PROFESSIONAL EXPERIENCE:

INSTRUMENT TECHNICIAN O&M|Qatar Energy Halul Offshore |DOPET COMPANY

07thDecember 2023 - Present

Currently working in Qatar as an instrument technician at Qatar Energy Halul Offshore Wellhead maintenance department through Dopot Company.

RESPONSIBILITIES IN O&M OFFSHORE WELLHEAD AS AN INSTRUMENT TECHNICIAN:

- Performing calibration, installation, troubleshooting, repair, and replacement of field instruments such as pressure transmitters, pressure Switch, Level switch, Temperature gauge, pressure gauge, Vertex, DP, flow transmitters, Temperature Transmitters, RTD, Thermocouple, MOV, Open Path Gas Detectors, Gas detectors Flammable, On/Off Valve, Solenoid valves, Master Choke valves, Fisher, Valtech, ABB Flow Control Valve, SCSSV, SSV and ESDV, Pneumatic & hydraulic actuators. as per supervisor and engineer instructions.
- Carry out preventive and corrective maintenance activities on wellhead Christmas tree, Gas lift unit and crude oil process instruments to ensure smooth operation.
- Troubleshoot and maintain of Master Choke Valves, ensuring proper operation and flow control
- Inspection and test hydraulic and pneumatic systems related to wellhead control panels including SCSSV, SSV, and ESDV.
- Conduct gas detection and monitoring in hazardous areas when necessary.
- Conduct fault-finding and preventive maintenance (PM) activities for: (RTU PANELS, MARSHALLING CABINET, SYSTEM CABINET, ESD CABINET, FIRE&GAS system CABINET)
- Support in fault finding by checking control loops, I/O modules, communication errors, and device status through the DCS system.
- Configured and tested MOVs Models Auma, Biffi, Rotork
- Emergency shutdown valve (ESD) Identifying and resolving issues with ESDVs. Performing routine inspections to detect potential problems. Regularly testing and maintaining ESDVs to ensure reliable operation
- Conduct preventive and corrective maintenance of the plant's fire alarm system.
- Inspection troubleshooting and maintain smoke detectors, open path toxic and flammable gas detectors as well.
- Perform inspection preventive and corrective maintenance included control system of Cummins diesel Engine and Generator
- Inspect and troubleshoot generator control systems for optimal performance.
- Assist and coordinate with vendors for control system inspection and upgrades.
- Participate in new project pre-commissioning and final commissioning activities.
- Involved in overhauling of control valves and ESD valves in both workshop and field environments.
- Ensure proper testing and calibration of valve actuators and associated instrumentation.
- My job description in Wellhead Operations & maintenance as Instrument technician I have theoretical and practical experience about balance of plant.
- Following Qatar Energy's work permit system to ensure all maintenance activities are performed safely and in compliance with company regulations.

INSTRUMENT TECHNICIAN | QAFCO 5, Qatar Fertilizer Plant |Descon Engineering |

15thOctober - 16th November 2023. 1 Month

- **Worked in Annually shutdown activity as an instrument at (QAFCO 5) Qatar Fertilizer plant as a instrument technician**

INSTRUMENT TECHNICIAN | ADNOC Sour Gas, UAE |Doosan Babcock|

20th January 2023 - 15th March 2023. 3 Month

- Worked in major shutdown activity as an instrument technician At ADNOC Sour Gas Shah Plant UAE

INSTRUMENT TECHNICIAN| Ruwais Fertilizer Industries ADNOC, UAE | Descon Engineering |

7th October 2022 - 20th November 2022. 1 Month

- Worked in Annually Shutdown activity as an instrument at Ruwais Fertilizer ADNOC Group UAE)Ammonia & Urea plant

Instrument Technician O&M| Power China Gansu Energy, Pakistan|HRSG Manpower Co.

May 2022 - September 2022. 4 Month

- Worked as an instrument's technician operation & maintenance (2*660MW) Coal fired power plant
- **Preventive Maintenance:** Perform regular inspections of Stream turbine and calibrations of field instruments such as pressure transmitters, temperature sensors, flow meters, and level transmitters
- **Corrective Maintenance:** Diagnose and troubleshoot malfunctioning instruments using test equipment (multimeters, loop calibrators, and HART communicators). Repairing or replacing control valves, actuators, and positioners.
- Conduct shutdown and commissioning activities, including loop testing, function testing, and sensor calibration.
- Perform calibration, testing, and verification of field instruments such as pressure, temperature, flow, and level transmitters
- Diagnose malfunctioning instruments and sensors using hart communicator
- Replace faulty components and ensure proper wiring and connections
- Conduct visual inspections, clean instruments, and perform preventive maintenance tasks

INSTRUMENT TECHNICIAN | ADNOC Sour Gas, UAE | Doosan Babcock|

16 January 2022 - 212 April 2022. 3 Month

- Worked in major shutdown activity as an instrument At ADNOC Sour Gas Plant Shah site

INSTRUMENT TECHNICIAN O&M| PowerChina Gansu Energy, Pakistan | HRSG Manpower Co.

June 2021 - 10 January 2022. 7 Month

- Worked as an instrument's technician operation & maintenance (2*660MW) Coal fired power
- **Preventive Maintenance:** Perform regular inspections and calibrations of field instruments such as pressure transmitters, temperature sensors, flow meters, and level transmitters
- **Corrective Maintenance:** Diagnose and troubleshoot malfunctioning instruments using test equipment (multimeters, loop calibrators, and HART communicators).
- Replace faulty instruments, sensors, or components.
- Repairing or replacing control valves, actuators, and positioners.
- Provide support during planned shutdowns and startups to ensure instrumentation systems function correctly.

INSTRUMENT TECHNICIAN SHUTDOWN| PakArab Fertilizer Multan, Pakistan |Descon Engineering| March 2021- April 2021. 1 Month

- Worked in annually as an instrument Shutdown activity at Pak Arab Fertilizer Fatima Group Multan Pakistan

INSTRUMENT TECHNICIAN SHUTDOWN | ADNOC Buhasa Gas Processing Plant , UAE |Star Service LLC| Nov 2020 – Dec 2020. 1 Month

- Worked in annually Shutdown activity as an instrument at ADNOC Gas Processing Plant Buhasa UAE

INSTRUMENT TECHNICIAN SHUTDOWN | ADNOC Gas Processing Plant Habshan,UAE|Al Shirah Recruitment Service| JAN 2020 - Februarey 2020. 1 Month

- Worked in Annually Shutdown activity as an instrument technician at ADNOC Gas Processing Gasco PLANT habshan UAE

INSTRUMENT TECHNICIAN O&M |Sitara Chemical Industries Limited | Faisalabad Pakistan

January 2019 to January 2020. 1 Year

- Worked as an instrument Technician at (Sitara Chemical Industries Limited Faisalabad Pakistan
 - **Preventive Maintenance:** Perform regular inspections and calibrations of field instruments such as pressure transmitters, temperature sensors, flow meters, and level transmitters
 - **Corrective Maintenance:** Diagnose and troubleshoot malfunctioning instruments using test equipment (multimeters, loop calibrators, and HART communicators).
 - Replace faulty instruments, sensors, or components.
 - Repairing or replacing control valves, actuators, and positioners.
 - Provide support during planned shutdowns and startups to ensure instrumentation systems function correctly

RESPONSIBILITIES ON SHUTDOWN PLANT ACTIVITY

- Perform calibration, testing, and verification of field instruments such as pressure, temperature, flow, and level transmitters
- Replace faulty components and ensure proper wiring and connections
- Conduct visual inspections, clean instruments, and perform preventive maintenance tasks
- Perform loop checks to validate signals between field instruments and control systems (DCS or PLC).
- Conduct function tests to ensure proper response of instruments and final control elements like valves and actuators.
- Diagnose malfunctioning instruments and sensors using testing equipment
- Support commissioning and start-up activities post-maintenance.
- Diagnose malfunctioning instruments and sensors using testing equipment
- Overhauling and calibration of control valves and ESD valves
- Perform zero and span adjustments in transmitters using hart communicators
- Repair or replace defective components like control valves, solenoids, or actuators.
- Overhaul control valves, safety relief valves, and on-off valves.

ROTARY EQUIPMENTS EXPERIENCE:

Gas Turbine (GE 9HA - 400 MW)

Stream Turbine: DongFang Electric 660 MW

Cummins Diesel Engine.

Gas Compressor, Pump, Motor.

- Conduct shutdown and commissioning activities, including loop testing, function testing, and sensor calibration.
- Maintain control systems, vibration sensors, and temperature monitoring devices.
- Installed and calibrated vibration probes on gas turbines to monitor equipment performance and detect anomalies.
- Installed and tested RTDs and thermocouples on gas turbines for temperature monitoring and performance assessment.
- Troubleshoot control loops and perform diagnostic checks on turbine instrumentation.
- Conduct preventive maintenance and troubleshooting of diesel generator control panels.
- Monitor fuel system sensors, actuators, and protection devi
- Maintain and calibrate control instrumentation such as pressure switches, vibration sensors, and flow meters.
- Inspect and maintain pressure, temperature, and flow measurement devices.

FIELD INSTRUMENTS SKILL: Flow, Pressure, Level & Temperature Transmitters, RTD, Thermocouples, Pressure Switches, Level Switches, Rota meters, Gauges, DVC 6010, 2000 & 6200 Positioners, Abb TZID positioner, Seimens PS2 possitioners, Flow serve positioner, Lockup valve, pressure regulator, SOV, On/Off valve, Control valve, MOV and lot of instruments related with measurement and process control. Made by Yokogawa. Fisher, Abb, Rosemount, Auma,Biffi, Rotork, Bifold.

PROFESSIONAL & RELATED TRAINING:

- Offshore Fitness Medical Velid Until 11-DEC-2025 (Qatar Energy Approved)
- TBOSIET OPITO Approved Velid Until 10-DEC-2027 (Enertech Safety Training Centre Qatar)
- H2S & BA QE Approved Velid Until 17-JAN-2026 (Enertech Safety Training Centre Qatar)
- Work At Height From (Enertech Safety Training Centre Qatar)
- Authorised Gas Testing(Enertech Safety Training Centre Qatar)
- Basic First Aid & CPR From (Enertech Safety Training Centre Qatar)
- Basic Fire Fighter From (Enertech Safety Training Centre Qatar)

COMPUTER SKILLS:

- Basic Sap Knowledge Related Maintenance Role
- MS Word, MS Excel, MS Power point
- MS Window, Software and Hardware

CONTROL SYSTEM AWARENESS: DCS: Yokogawa CENTUM VP

- Knowledge of Yokogawa CENTUM VP DCS for monitoring and controlling plant operations.
- Able to work with process data, acknowledge alarms, and adjust process setpoints.
- knowledge of troubleshooting control loops and field equipment through the DCS
- Capable of troubleshooting and performing basic maintenance tasks related to DCS operations

ESD SYSTEM: Prosafe Yokogawa

- Understanding of the Prosafe Emergency Shutdown (ESD) system for ensuring plant safety.
- Able to monitor and operate the system during emergency conditions.
- Familiar with identifying faults and assisting with emergency shutdown procedures.

TEST EQUIPMENTS & CALIBRATORS:

- Hart Communicator model: Beamex MC6, Emerson Trex & 475 | Fluke 789 Processmeter | Druck (DPI 611, Pressure Calibrators | Altek RTD & Thermocouple Simulators | Resistance Box | Druck Loop Calibrators | Fluke P3100 Hydraulic Deadweight Calibrator | Bently Nevada TK-3 Proximity Vibration Testing Kit

PERSONAL INFORMATIONS:

- **Passport No:** TG5152202
- **Passport Exp:** 19-November-2033
- **Religion :** Islam
- **Nationality:** Pakistani
- **Language :** English Urdu & Hindi
- **Permanent Address:** Khanewal Punjab Pakistan

ACADEMIC QUALIFICATION:

- 3 Years Diploma in (**Electronics Technology**) from Punjab Board of Technical Education Lahore
- Matric with (**Science**) from board of Intermediate & Secondary Education Multan board

DECLARATION:

- I hereby declare that the above particulars are true to the best of my knowledge and belief.