



MUHAMMAD UZAIR

INSTRUMENT TECHNICIAN

CONTACT

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PROFILE

Energetic, dynamic and result-oriented professional with +5 years' experience of Project & maintenance in chemical & fertilizers industries of Pakistan.

EDUCATION

- ❖ DAE INSTRUMENT
1ST DIV 2013
- ❖ MATRICULATION
1ST DIV 2010

SKILLS

- ❖ MS WORD
- ❖ MS EXCEL
- ❖ SAP
- ❖ ADOBE PHOTOSHOP

LANGUAGES

- ❖ ENGLISH
- ❖ URDU

WORK EXPERIENCE:

- ❖ INSTRUMENT & CONTROL TECHNICIAN | ENGRO POLYMER & CHEMICALS KARACHI. ON (DESCON CONTRACT).
AUGUST 2017 TO TILL NOW.
- ❖ INSTRUMENT TECHNICIAN | FAUJI FERTILIZER BIN QASIM KARACHI.
APPRENTICESHIP (2015-2017).
- ❖ INSTRUMENT & ELECTRICAL TECHNICIAN | AL KARAM PROCESSING MILLS FAISALABAD.
AUGUST 2013 TO SEPTEMBER 2014 .

TRAININGS:

- 1 YEAR CERTIFICATE TRAINING FROM
NATIONAL FERTILIZER CORPORATION INSTITUTE MULTAN
- CONTROL VALVES TRAINING FROM
ENGRO POLYMER AND CHEMICALS KARACHI

RESPONSIBILITIES & CAPABILITIES:

- ❖ A member of maintenance team as an Instrument and control technician in ENGRO POLYMER & CHEMICALS Karachi.
- ❖ Participate in all turn-around in Fauji Fertilizer Bin Qasim Ltd Karachi since 2015.
- ❖ Responsible for troubleshooting and maintenance of field and control room instruments.
- ❖ Participate in all turn a rounds in Engro Polymer & Chemicals Karachi since August 2017.
- ❖ Participate all Reliability Projects at EDC/VCM plant.

TECHNICAL SKILLS:

- ❖ Strong ability to troubleshoot problems under strict deadlines and in stressful scenarios.
- ❖ Talent for quickly learning setup, maintenance, and repair procedures for new equipment.
- ❖ Aptitude for data analysis and close attention to detail necessary to identify problems and areas for improvement with equipment.
- ❖ Effective communication skills needed to develop reports and translate technical information about equipment functions, errors, and solutions.
- ❖ Willingness to work closely and efficiently with diverse personnel to ensure optimal equipment functionality and rapid problem resolution.

GAS TURBINES (SPEEDTRONICS MARK V):

- I have experienced of Gas Turbine Major Overhauling.
- Gas turbine instruments calibration.
- Calibration of GCV and SRV in Auto cal.
- Exhaust thermocouple jumper and replacement activity, Logic forcing and software based troubleshooting

BOILERS & HRSG:

- Boiler's Instruments overhauling, maintenance and Instrumentation Calibration.
- Burner Management System. (BMS) troubleshooting, logic forcing.
- Relay logic fault finding & troubleshooting and logic forcing
- I know about Three-Element loop, firing control with ratio controlling.
- Handsome experience of running and start-up problems.

STEAM TURBINE (WOODWORD PEAK 150):

- Steam turbine instruments overhauling and maintenance.
- Installation of magnetic pick up probes for speed measurement at steam turbines.
- Calibration and Installation of temperature switches at inboard and outboard of steam turbine.

DISTRIBUTED CONTROL SYSTEM (DCS):

- DCS (BAILEY Infi 90) (HONEYWELL EXPERION C300)
- PLC (ALLEN BRADLEY, HIMA, SIEMENS).
- Understanding of Logic and Loop Diagrams.
- Loop testing and troubleshooting.

PROCESS ANALYSERS:

- Analyser's installation, calibration and troubleshooting of different make METLER TOLEDO, YOKOGAWA, SIEMENS, ROSEMOUNT
- PH, CONDUCTIVITY, OXYGEN, SILICA, CO, CO₂ ETHYLENE.

TRANSMITTERS & SWITCHES:

- I have a good approach to resolve the calibration and maintenance problem of local and remote instruments
- Electronic and smart series transmitters of ROSEMOUNT, BAILEY, YOKOGAWA, Manufacturer of Pressure, Level, Temperature, Flow, Ultra sonic and Capacitance type transmitter calibration and troubleshooting .
- Pressure switches (Diaphragm type, Bourdon tube type), Level switches (float type) flow switches, Temperature switches (Capillary type and bimetallic type).

SENSORS & TRANSDUCERS:

- Magnetic pickups (Active and passive), and speed monitors
- RTD's. Thermocouples,
- UV Flame scanners, proximity type switches,.
- Pressure Transducers, I/P converter, P/I converter

VIBRATION MONITORING SYSTEM:

- Bentley Nevada (3300 series)
- HANSFORD VIBRATION MONITORING.
- Adjustment of set point Alert and Danger, Bypass activity field signals, characteristics diagnostics of vibration probes, their installation, proximeters compatibility with probes and extension cables.

CONTROL VALVES:

- Calibration of FISHER, ABB, SIEMENS, and SAMSON control valves.
- Maintenance and fault finding and rectification of Control Valves problems.
- Gland packing, diaphragm replacement, Trim parts checking and replacement.
- Solenoid valve (maintenance and troubleshooting) and installation.

SAFETY AWARENESS:

- Handsome safety awareness against personal safety as well as plant safety.
- Safety working procedure.
- Permit to work system (PTW).
- Use of Personal Protective Equipment.(PPEs)
- Knowledge about IP CLASSES,SIL CLASSES
- PROCESS SAFETY MANAGEMENT (PSM)
- Hazardous area classifications

PERSONAL APPEARANCE

Father's Name : ABDUL MAJEED NADEEM

Date of Birth : 05-05-1994

Nationality : Pakistani

Religion : Islam

Marital status : single

Passport No : AH2890111

REFERENCES:

WILL BE FURNISHED ON DEMAND