



Sunil kr. Yadav

Instrumentation Engineer

CONTACT INFO



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SKILLS

PCS-7 v8.0 (Simatic S7-400)

WinCC v7.4

Scalance Configurations

I/O Configuration, AI/AO/DI/DO

Troubleshooting & Calibration

Proficient with MS Word, Power point, Excel.

Field KNOWLEDGE

Troubleshooting of Relay for automation and control

Deluge valve and ROSOV valve commissioning, Hart 475 Communication to Valve

Vibration Sensor installation and calibration (axial and radial), Using TK3e Box

Extensive knowledge of various instrumentation devices and sensors

ACADEMICS

B. TECH (Elec. & Communication Eng)

- Vinayaka mission University Chennai
- 2011

12th from B.S.E.B in 2007

10th from B.S.E.B in 2005

OBJECTIVE

Technology enthusiast who likes to learn and explore various technological advancements. With an experience of 13 years in the control automation industry, this knowledge will prove to be highly beneficial.

WORK EXPERIENCE

Archean Chemical Industries Ltd. (Gujarat, Kutch)

26/12/2022 – Till Date

❖ Sr. INSTRUMENTATION ENGINEER

- Manage of shift work Attend any instrument Breakdown.
- IMS (Integrated Management System) Documents Handling.
- Weighing System Configuration and commissioning.
- Graphics & Logic Modification as per Process Requirement.
- Bromine Plant Commissioning & Smooth Startup.
- Hand Experience of SAP (MM Module)
- Material Procurement review & analysis for site
- Commissioning work of Sulphur Melter & FES (Feed Enrichment System) ABO Tower Instruments.
- Commissioning of Salt Washery Plant.
- All instrument configuration and Maintenance of RO Plant (Reverse Osmosis).
- SOP Plant (Sulfate of Potash) all Instrument Configurations & Breakdowns Handle .
- Chlorine detector panel installation and leak checking and configuration.
- Control valve installation and commissioning.
- All Type of instrument calibration and configuration.
- Configurations and Calibration of Pneumatic and Smart Positioner (Siemens, Forbes Marshall, KOSO, MIL, Aira , Samson, Fisher, Rotex.

ASSOCIATE POWER TECH PVT. LTD. (GUJARAT ,KUTCHH)

06/01/2022 – 24/09/2022

❖ Sr. INSTRUMENTATION ENGINEER

- Commissioning of SOX, NOX Analyzer (Forbes Marshall)
- Commissioning of S.P. M Analyzer (Forbes Marshall)
- Commissioning of IPA Belt Weigher (50ton Capacity)
- Maintenance of field instrument.
- Manage shift work. Attend any instrument breakdown.
- Preventive maintenance work of instrument.
- 2 Nos AFBC Boiler 45 TPH Make Cethar Vassel Ltd.
- 1 Turbo Generator of 12MW Make China.
- 1 DCS of Siemens PCS-7 (12 MW).
- Manage shift work. Attend any instrument breakdown.
- Preventive maintenance work of instrument.

TURBOTECH PROJECT & SERVICES PVT.LTD. SITE SAINT GOBAIN INDIA PVT. LTD. Maharashtra (Wada)

10/07/2021 – 04/01/2022

❖ Sr. INSTRUMENTATION ENGINEER

- Proper Shutdown within Time Duration of Power Plant (3MW).

- Emerson make DCS Logic modification and Graphics edit, Hardware installation (AI, AO, DI, DO).
- Initiate & implement MOC proposals for reliability and revenue improvement.
- Participating in SAT (Hardware, software) and ensuring compliance as per SAT documents Ensuring instrumentation DRY / HOT Loop test reports, Control & Control Test, Logic & Cause & Effect Diagram Test.
- Field instrumentation system installation as per standard GA, hookup Diagram, Instrument installation In DM Plant.
- PH, Conductivity, Turbidity Calibration Performed.
- Documentation Work Performed as per audit Point.

ASSOCIATE POWER TECH PVT. LTD. (GUJARAT ,KUTCHH) 07/02/2019 – 05/07/2021

❖ **Sr. INSTRUMENTATION ENGINEER**

- Ash handling System and Operation and Its interlock knowledge.
- SWAS System Instruments and it's Maintains knowledge.
- CHP All Instrument Maintains and it's Interlock Knowledge.
- Air Compressor (Make-KAESER ,ELGI) of Operation and its Maintains.
- ABB SOX,NOX Analyzer Calibration Performed.
- ABB O2 Analyzer Calibration Performed.
- Maintenance & Calibration of Motor Operated valve of Rotork, Auma.
- Knowledge of CHP instruments (ZSS, BSS, PCS).
- Yokogawa O2 Analyzer Calibration Performed.
- Knowledge of AFBC Boiler 45 TPH Make Cethar Vassel Ltd. And Turbo Generator of 12MW Make China.

IMPERIAL FASTENER PVT. LTD. 2*10 MW C.P.P AT RAILWAY COLONY, KATHARA, BOKARO, JHARKHAND 27/07/2011 – 29/01/2019

❖ **INSTRUMENTATION ENGINEER**

- Having knowledge of Testing & Calibration through 475 Hart Communicator, Low-pressure Calibrator, Dead Weight Tester, Temperature Calibrator.
- Maintenance, testing & calibration of control valves (Mill Control, Forbes Marshall, fisher) transmitter (make- Yokogawa, Rosemount, Siemens, ABB).
- Having knowledge of all types of Field Instrument.
- Having the knowledge of all type of pneumatic power cylinder maintenance work and testing
- Instrument leak testing, continuity & Meggering . DCS & PLC system loop checking from field instrument to main control monitoring system (DCS/PLC).
- Configurations of PT, FT, PDT, TT, LT, and Level transmitter Displacer Type & Weight leg (Interface). Pressure Switches, LS. (Float Type)
- Maintenance and troubleshooting of field Instrumentation
- Level Transmitter, Ultrasonic level transmitter, Vortex Flow transmitter, Magnetic flow transmitter configuration, Loop Checking etc.
- Understood & trouble shooting of P & ID and ILD diagram, hookup diagram, loop wiring diagram and control panel drawing, JB details & cable layout drawing. DCS, PLC, ESD System testing , loop acceptance test (LAT) of DCS system with fictional test.

COURSES AND CERTIFICATIONS

- Kaizen Certificate of Bromine Plant
- Kaizen Certificate for Compressor Efficiency