**TEJAS ZINZUVADIYA**

 Phone: +91 7043030106, +974-31671914

 E-Mail: tejas.zinzuvadiya@gmail.com

A diligent, ambitious & accomplished professional, offering **nearly 12 years** of rich & qualitative experience in

**Operations & Maintenance | Automation | Erection &** **Commissioning** |

**PROFILE SUMMARY**

* Strategist decision maker & multi tasker in **leading team** to **install** & upgrade equipment, preventive, predictive & breakdown **maintenance**, **troubleshooting** & repair of equipment; ensured **documentation** for maintenance related items
* Experience in **planning maintenance schedule**, formulating budgets, annual shutdown planning, troubleshooting, manpower planning and risk assessment analysis
* Expertise in performing **installation, erection & commissioning** for ensuring operational effectiveness
* Highly skilled in **managing plant maintenance**, quality service and timely completion of projects along with testing and commissioning of various power system products
* Proficiency in defining **best practices** for **Maintenance**, documentation & timely execution, coordinating with process department, contractors and maintaining the correspondence with them
* Anchored on-site **erection** & **commissioning** activities and ensured **completion** **of** **project** within the time & cost parameters and effective resource utilization to maximize the output

**KEY SKILLS**

~ Operations Maintenance ~ Erection & Commissioning ~ Project Management

~ Troubleshooting & Support ~ Preventive, Predictive & Breakdown Maintenance ~ DCS/ESD Systems

~ Shutdown Support ~ Audit & Compliance Adherence ~ Hazop/RCA Study

~ Performance Enhancement ~ Team Development ~ SAP System

**TECHNICAL SKILLS**

* **Erection**, **commissioning** & **maintenance** of:
  + Different field instruments such as transmitters, pressure switches, control valves & many more
  + **Yokogawa** DCS (CENTUM VP), **Honeywell Experion PKS**, ESD (**PROSAFE-RS**), **Foxboro** DCS & **Triconex** ESD,**AB RSLogix 5000**.
* **Maintenance** & **troubleshooting** of:
  + Flow transmitters (DP type, Vortex flow meter, magnetic floweter), level transmitter (wet leg type LT, Non-contact type LT, GWR type LT) of, temperature transmitters, RTD, thermocouples, pressure transmitters, pressure switches, level switches, control valves, on-off valves
  + Compressor & Pumps MCMS instruments such as vibration probes, compressor RTDs & many more
  + Working knowledge on **Compressor Control & Surge Control** Systems
  + Development & modification DCS/PLC/ESD logics, troubleshooting of hardware
  + Logic building, graphics modification, FF device commissioning jobs for DCS systems
  + F&G devices (DSO, DSI, DSM, DGC, DGH, DGT, DGXR, DMC) & FM200 system
* Development, checking, verification or modification /troubleshooting of different **plant logics** as per process requirement
* Familiar with various communication protocols such as serial, Modbus and OPC.
* Operational insight of **Thermal Power Plant**
* **SAP** system (PM, MM & EAM Modules)
* Working knowledge on Aspentech to analyse process data through trend
* Foundation FieldBus
* Team-based Management style with expertise in driving the company’s vision into reality
* Review PM/PdM planning as per ISO guidelines
* Review SMP validation

**WORK EXPERIENCE**

**Jan ’20 to Sept ‘20 Qatar Fertilizers Company, Qatar a**s **Instrumentation Engineer**

**Key Result Areas:**

* Ascertaining the **safety compliance** as per work permit by adhering to QAFCO safety procedures
* Spearheaded plant operations, maintenance and projects by scheduling and planned the activities, mentored, monitored & guided department including spares, inventory management
* Developed preventive maintenance schedules of field Instruments, to increase the equipment uptime / reliability & accomplishing project targets
* Monitored implementation & documentation of the PM activities, SIL proof testing reports at various assets across QAFCO & managed techno-commercial activities relating to O&M contracts &procurement of equipment through ERP
* Maintained spares after commissioning and updated the same in ERP making new PM strategies
* Studied chronic engineering issues of Q-5/6 field instruments and took up with the vendor to make it healthy and improve reliability

**Apr ’14 to Jan ‘20 Reliance Industries Limited, Jamnagar** as **Instrumentation Engineer**

**Key Result Areas:**

* Ascertaining the **safety compliance** as per work permit by adhering to RIL safety procedures
* Working as a member of **PHA** (Process Hazard Analysis) subcommittee at plant level
* Steering **preventive**, **predictive** & **breakdown** maintenance of field instruments
* Strategizing weekly & daily **job** **planning**, Develop job schedule in co-ordination with operation and maintenance sections, carry out jobs as per SMP, Maintaining system backups, Managing implementation of **MOC** j**obs**
* Identifying **spares** of **newly installed instruments;** codifying spare in **SAP**; managing **spare material** (PR, PO & Material follow up with vendor)
* **Liaising** with Central Engineering Service group as well as other maintenance discipline (Electrical, Mechanical) & operations
* Spearheading routine jobs & modification jobs for **DCS** & **ESD**
* Executing planned/unplanned **shutdowns** and plant **startup support**
* Supervising **alarm rationalization**
* **SIL study** using **Exida** software
* Conversant with technical documents like P&ID, Data sheet, Loop Diagrams, Cause & Effect Diagram, Logic diagram, Cable Schedule, Instrument Index, Interface drawings.
* Carrying out investigation studies on chronic problem & bad actor associated with equipment/instrument failure to enhance reliability
* Adhering to **compliance** of **audit** recommendations as well as of reliability improvement recommendations from **CES/GMS** also **document** compliance for different audits

**Aug ’11 to Mar ’14 Yokogawa India Limited, Bengaluru** as **Control System Engineer**

**Key Result Areas:**

* Facilitated **erection**/**commissioning** support at customer site
* Checked **Interpanel wiring**, **Cold loop checking, Hot loop checking and Logic Checking**
* Adhered to compliance of **FAT** punch points
* Power on **DCS/ESD sytem** at customer site; modified DCS/ESD system as per customer requirement
* Provided start up/shutdown **support;** performed **SAT**; conducted **routine maintenance** of **DCS/ESD system**
* Updated as-built documentation; formulated **MIS** report & **site progress** report to management

**Feb ’11 to Aug ’11 Indian Rayon (A Unit of Aditya Birla Nuvo Ltd.), Veraval as Instrument Engineer**

**Key Result Areas:**

* Ascertaining the **safety compliance** as per work permit safety procedures and closure of job in SAP system
* Managed routine maintenance of 60 MW Thermal power plant instruments.
* Managed shift instrument technicians for routine maintenance of boiler & turbine instruments.

**Feb ’09 to Feb’11 Saurashtra Chemicals Ltd. (A Unit of Nirma Ltd.), Porbandar as Instrument Engineer**

**Key Result Areas:**

* Managed **erection** & **commissioning** of25MW Thermal power plant as well as boiler & turbine instruments
* Checked interpanel wiring & field loop; conducted logic checking of power plant
* Provided start up/shutdown **support;** performed **SAT** of **DCS system**
* Conducted **routine maintenance** of **power plant**
* Updated as-built documentation; formulated **MIS** report & **site progress** report to management
* Modified **DCS system** as per operation requirement
* Liaised with other **disciplines** (mechanical/electrical/operations) as well as different system vendors during commissioning

**TRAINING**

* Certified training on Rotork MOV at RIL, Jamanagr
* SAP PM/MM module at RIL, Jamnagar
* Annual budget preparation training at RIL, Jamnagar
* Health, Safety, Environment & Fire (HSEF) training and practical at RIL, Jamnagar

**EDUCATION**

* B.E. (Instrumentation & Control) from Government Engineering College, Saurashtra University, Rajkot, Rajkot in 2008
* HSC from G.S.E.B. in 2004
* SSC from G.S.E.B. in 2002

**PERSONAL DETAILS**

**Date of Birth:** 11th December, 1987

**Languages Known:** English, Hindi & Gujarati

**Address:** “Vrijesh”, 1/18, Kevdawadi, Bh, Royal Sarovar Appt., Kevdawadi Main Road, Rajkot- 360002.