

## Roshan Suryawanshi

### Lead Piping Engineer

Highly motivated in the field of piping engineering, piping design and Project execution. Have worked in many industrial projects such as effluent treatment, water treatment, pharma, chemicals and oil & gas; overall 7.5 years of experience in the field. Have proficiently worked on software's like CADWorx, CADISON, AutoCAD. Certified AutoCAD 2013 professional by Autodesk. Knowledge of software's like PDMS, Caesar II, Inventor.

### Piping Expertise

- Designed piping using several piping standards and codes. Frequently used ASME codes and standards B31.3, B16.5, B36.10, B36.19, ASME B 18.2 1 and 2, ASME B 16.28 etc.
- Knowledge of piping specification, Equipment sizing calculations.
- Preparing BOM, BOQ, Piping schedule, Piping Datasheets, Valves and instruments list from P&ID and piping drawings.
- Setting up interlocks in Automation system based on process cycles and system operation.
- Preparing technical offers.
- Preparing all documents required in project and submitting them to clients for approval.
- Detail Engineering based on the concept design and design basis and furnished into the drawings suitable for execution.
- Project Hazop study.
- Excellent P&ID reading skills.
- Excellent drawings reading skills.
- Good understanding of the functionality of piping systems and equipment's.
- Preparing CADWorX piping specification.
- Can check precisely Piping model, Piping Isometric, Piping drawings with respect to P&ID.
- Can do modeling, Fabrication drawings and isometric drawings of plant on CADworX 2015 (AutoCAD).
- Knowledge of piping stress calculation methods and software's (Caesar II).
- Knowledge of International standards, American standard.

### Academic Credentials

- **PGDM (Operations)** > Welinkars Institute Mumbai, 2017 – First Class.
- **PGDM (Piping Engineering)** > VIT, Pune, 2013 – Distinction.
- **B.E. (Mechanical Engineering)** > RC Patel Shirpur (NMU), 2013 – 69%



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### Key Skills & Competencies

Piping Engineering  
Piping Design Engineer  
Cadison  
CADWorx  
AutoCAD

## Professional Experience

**Dec, 2019 – Till date**

**PTd Cleantech solution Pvt Ltd** ☑ **Lead Piping Engineer, Pune**

**Project : (Elephant Project) Datwyler India Pvt. Ltd.**

### Key Responsibility:

- Piping calculations within the Department Mechanical Engineering.
- Active in feeds, basic- and detail engineering and set up estimates for engineering activities in general.
- Checking design documents.
- Provide technical support to the members of the project team and Work as trouble shooter in different execution stages of the projects.
- Manage the discipline project team for packages like Compressed air, Heating cooling, Vacuum, Propane Gas, Water Treatment Plant (WTP), Effluent Treatment Plant (ETP), Fire.
- Detailed design engineering for all the packages listed above.
- Generate and monitor planning of man hours for the project
- The design and construction follow up of piping installations within the industry. and related sectors.
- Have assisted EPC contractors like Praj Hi-purity, MMPL, Thermax, Canter, Nilsan Nishotech, Christ Nishotech.

**March, 2019 – Nov, 2019**

**Neilsoft Ltd** ☑ **Application Engineer, Pune**

### Key Responsibility:

- To provide complete Technical assistance to the Sales team for the demonstration of Cadison software.
- Execute Cadison Implementation projects on client site. This includes Software installation, Customization, and Training the end users.
- Excellent documentation skills
- Plant Piping design projects or Application support of other Plant software and Solutions.

**April, 2016 – Feb, 2019**

**Acme process systems Pvt Ltd** ☑ **Sr. Project Engineer, Pune**

### Projects wise Responsibilities:

- 1. Kodex Global (Paint manufacturing unit, Chandigarh) :**
  - Preparing piping model (CADWorX) and layout with P&ID.
  - Preparing Boughtout List (Valves, Instruments, Pumps Etc) and datasheets.
  - Approving Boughtouts technically.
  - Scheduling fabrication plans and assigning it to fabrication team.
  - Technically supporting site erection activities.
  - Involved in projects commissioning activities.

## Behavioral Skills

Time Mgmt.  
Communication  
Planner  
Thinker  
Problem Solver  
Interpersonal  
Presentation  
Decision Making

## IT SKILLS

AutoCAD  
Cadison  
CADWorx  
Ceaser II  
MS Office (Word, PowerPoint, Excel)

## Career Timeline



## Personal Details

**Date of Birth:** 17<sup>th</sup> Feb 1990

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

**Address :** C-902 Lotus Laxmi 2, Near Mukai Chowk, Kivale, Pune 412101

**Nationality:** Indian

**Marital Status:** Single

**Interests:** Exploring new places, Trekking, Learning new things, Travelling, Socializing, Music

## 2. Asian Paints Ltd (PEL lab, Pune) :

- Project coordination.
- Attended Kick Off Meeting. According to MOM adhering to the plans and technical modifications decided.
- Preparing Vessel Datasheets and approving designs from design team.
- Preparing piping, valves specification as per datasheets.
- Was involved in site erection activities.
- Boughtout activities.
- Preparing PID (AutoCAD) and accordingly getting piping model ready from design (CADWorX).
- Helping design team for Plant model preparation.
- Setting up a meet with clients Instrumentation Automation team with Automation vendors.
- Examining FAT tests at vendor and at workshop with client's examiner.

## 3. Biocon Syngene park (Biowaste Inactivation System, Bangalore) :

- Studying URS and accordingly preparing P&ID.
- Documentation parts such as I/O List, Valve matrix for automation sequence, DQ (Design Qualification), IQ (Installation Qualification), FAT (Factory Acceptance Test), SAT (Site Acceptance Test), OQ (Operational Qualification) protocols.
- Checking all equipment drawings and models from the projects point of view.
- Modifying drawings such as P&ID, Piping Model, GA drawings, Fabrication drawings, Vessel GA drawings as per the site changes (As-built drawings).
- Coordinating with client and getting things done from the team.
- Documenting all the projects transactions and approvals.

## 4. Biocon park (Detoxification System, Bangalore) :

- Same responsibilities.

## 5. Valspar International (Vessel cleaning system, Bangalore) :

- Same responsibilities.

## 6. Syngene park (Neutralization System, Bangalore) :

- Same responsibilities.

## 7. Akzo nobel India (Tank Farm expansion project, Bangalore) :

- Same responsibilities.

Nov, 2014 – April, 2016

**Trans tech projects Pvt. Ltd. Piping Design Engineer, Pune**

### Key Responsibility:

- Checking 3D model of the plant against P&ID spec catalogs and all the documents given by client, if anything needed discussing with manager and getting things done from draftsmen.
- Preparing specification PRJ soft file for CADWorX 2015.
- Modeling piping as per codes and standards given.
- Checking piping layout, GA Drawing, support detail drawings, Skid fabrication drawings, Isometric drawings etc.

### Awards and Certification:

- Fast learner award at **Transtech**.
- Certified AutoCAD professional by **Autodesk**.
- Employee of the Year at **ACME**.



- Piping isometric checking.
- Pipe thickness calculation.
- Pipe support activities.
- Creating database of line list, instrument list, BOM, etc.
- Designing fabrication drawings of skids, supports etc.

**Nov, 2009 – June, 2010**

***Dana India Pvt. Ltd.* ☑ Trainee engineer, Pune**

**Key Responsibility:**

- Checking of all the axles and their assembly parts.
- Dealing with vendors for correct and quality product.
- Setting up quality requirements with client to deliver quality product.
- Have practical knowledge of checking techniques and methods.