

## **Amar Ashok Ranbhare** **Sr. Piping Engineer**

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### **CAREER PROFILE**

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Extensive experience of 14 years in Chemical, Refinery, Petrochemical Plant Piping Design/Layout. To deliver safe, client required piping design as per piping design standard & specification to an agreed schedule and agreed budget by maintaining quality. Strong team leader builder fosters an atmosphere to motivate talented professionals to balance high level skills with maximum productivity.

### **PROFESSIONAL PROFICIENCY:**

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- 2018, Leadership training
- 2018, Skill Development Program
- 2018, Piping design & layout training
- 2017, EPC Lead training
- 2016, Personal effectiveness workshop
- 2014, IPMA – D certified (International Project Management Association)
- 2014, Team Building, Communication Skill & Presentation Skill

### **ROLES & RESPONSIBILITY IMPARTED DURING CURRICULUM**

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- Able to work independently on project to meet all quality, scope of work, budget, schedule
- requirement particularly as it applies to piping design & layout.
- Preparation of design basis for piping, 3d model review procedure.
- Basic engineering study for plot plan ,equipment layout development.
- Effective communication skills.
- Overall piping design lead.
- Piping design quality coordinator.
- Study of overall pipe rack piping, cross section & details drawing.
- Deliver piping design packages.
- Piping execution plan preparation.
- Planning- manpower, work & forecasting.
- Internal Technical Audit.
- Work hours estimation.
- Equipment layout preparation & Checking.
- Basic engineering study for piping arrangement
- Squad check for interdisciplinary drawings.
- IFC isometrics checking.
- Preparation/ Revision of Procedures, Work instructions, Check lists etc.
- Training & Presentation.
- Co-ordination and participate with client for the 30%, 60% & 90% model review tags.
- Review of vendor drawings for equipment, valves and instruments.
- Develop model as per design basis, project criteria/client requirement/company standard.
- Monitoring for equipment and piping modelling in PDMS/E3D.
- Co-ordination and participate with client for the 30%, 60% & 90% model review.
- Preparation of clash check report from Navis Manage.

## **PROFESSIONAL EXPERIENCE**

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Currently working with **LONESTAR Technology Pvt. Ltd.** is an Indian engineering based in Pune. Lonestar provides multi-discipline engineering services to the Energy, Oil & Gas and Power industry, and other technology-dependent industries in USA and India.

### **DETAILS OF EXPERIENCE (WITH LATEST FIRST)**

PROJECT	2G Bio Ethanol Refinery Project
CLIENT	<b>CONFIDENTIAL.</b>
ROLE	ASST. LEAD ENGINEER
DURATION	SEP 2019 to till date

It's the first plant in India. To produce the cellulose ethanol from agricultural residue. Use of Bio Ethanol reduce the CO2 emission and help to prevent the associated climate change.

- Study the ITB document and prepare the TQ.
- Resource planning according to project schedule.
- According to tender document prepare the plot plan and equipment layout.
- Prepare Design basis for Piping and 3D model review procedure.
- Prepare the Stress critical line list.
- Prepare the piping study layout along with piperack design.
- Prepare Bulk MTO for Valves, Piping and Piping fittings from tender P&ID.
- Checking of nozzle and platform orientation drawing
- Checking of Technology structure drawings for equipment
- Review the Vendor offers for interdisciplinary inputs.
- Participated in 3D model review with client.
- Prepare clash check report from Navis Manage.
- Isometrics checking.
- Inter-discipline coordination.
- Project progress monitoring

### **Before LONESTAR Technology Pvt. Ltd**

#### **1) CITEC Engineering India Pvt. Ltd Sr. Project Engineer, Jan 2008 to Sep.2019**

**CITEC Engineering India Pvt. Ltd.** is an international engineering, Citec provides multi-discipline engineering and information management services to the Energy, Oil & Gas and Power industry, and other technology-dependent industries.

## DETAILS OF EXPERIENCE (WITH LATEST FIRST)

1)

PROJECT	Guru Govind Singh Polymer Addition Project
CLIENT	<b>HPCL Mittal Energy LTD.</b>
ROLE	AREA LEAD ENGINEER
DURATION	FEB 2019 to SEP 2019

Deputed at Marie TECHNIMONT for develop 3D model throughout the detail design Phase in PDMS.

- To develop the 3D model for line size 2 inch and above
- Checking of nozzle and platform orientation drawing
- Checking of Technology structure for equipment
- Squad checking of equipment drawing civil structure and Technology structure
- Prepare and submit the progress report.
- AFC isometric checking.
- Review of various interdisciplinary inputs like MDS, Vendor Drawings (Static/Rotating Equipment's, Package units etc.
- Checking of clut drawing
- Review & implement the stress markup
- Resource planning according to project schedule.

2)

PROJECT	Desalter water bath heater
CLIENT	<b>KOC/Petrofac</b>
ROLE	LEAD ENGINEER
DURATION	NOV.2018 to FEB 2019

To develop and deliver the 3D model throughout the detail phase in PDMS. for desalter water bath heater

The main challenge in the project is that the project received after 60% design review

- Close out the 60% tag
- AFC isometric checking.
- Finalize the 3D model according to vendor drawings
- Clash check resolution
- Flow check
- Finalize the clut drawing for desalter water bath heater
- Preparation of construction MTO through PDMS.
- Checking of piping general arrangement drawing
- Checking of plant layout
- Resource planning according to project schedule.

3)

PROJECT	Salarium
CLIENT	<b>OUTOTEC Finland</b>
ROLE	LEAD ENGINEER
DURATION	SEP.2018 to NOV. 2018

Basic engineering for Zn production plant.  
Project done in **E3D** software.

- Internal 3D model review.
- Equipment location checking
- Design the pipe rack
- Preparation of Technology structure for equipment
- Co-ordinate with other departments for space reservation
- Isometrics checking.
- Inter-discipline coordination.

4)

PROJECT	Glencore
CLIENT	<b>OUTOTEC Germany</b>
ROLE	LEAD ENGINEER
DURATION	APR.2018 to AUG 2018

- Extended basic engineering for sulphuric acid preparation plant in **E3D** software.
- Bulk MTO extraction from E3D software

5)

PROJECT	Gijon - Reconstruction of Coke oven by product plant
CLIENT	<b>Paul Wurth, Italia S.P.A./ ArcelorMittal</b>
ROLE	CHECKER
DURATION	DEC.2017 to APR.2018

- Detail design for Ammonia plant in PDMS.
- Flow check
- AFC isometric checking.
- Checking of piping general arrangement drawing

6)

PROJECT	JSW Furnace Re-Vamping
CLIENT	<b>Paul Wurth, India</b>
ROLE	AREA LEAD ENGINEER
DURATION	NOV. 2016 to DEC.2017

- To develop and deliver the 3D model throughout the detail phase in PDMS. for Blast Furnace Upgradation : Cooling circuit & Utilities
- Pipe supporting in PDMS with VOF tool v1.2.

## **Before CITEC Engineering India Pvt. Ltd.**

- 1) **S.S.Technoservices Pvt. Ltd., Pune.**  
**Project Engineer, Aug.2005 to Dec.2007**

### **Roles & Responsibility**

- All the erection and commissioning activities in the spray dryer & evaporation.
- Spray dryer, evaporator cold water trial, hot water trial, plant start up, stabilization and performance guarantee trial run.
- Commissioning of centrifugal pumps, compressors, cooling towers.
- Sharing complete responsibility from design to execution with the project manager
- Hydrotest, Vacuum test to be performed.
- Material Testing to be reviewed.

### **SOFTWARE SKILLS**

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- E3D (everything 3D)
- PDMS : (Plant Design And Management System)
- AUTOCAD
- Navisworks
- MS Office

### **EDUCATION**

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- **IPMA – D** certified (International Project Management Association) in July- 2014
- PG Diploma in piping Design from Trinity Academy Pune, with 1st Class.
- Bachelor of Engineering (**B.E. in Chemical**) with 71.62% (Distinction) from Shivaji University, Kolhapur. in the Yr. 2005

### **PERSONAL DETAILS**

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- Date of Birth: 09<sup>th</sup> Jan. 1984
- Marital Status: Married
- Nationality: Indian
- Passport No.: H3340556
- Languages Known: English, Hindi & Marathi

### **DECLARATION:**

I hereby declare that all information furnished above is correct and true to the best of my knowledge.

**Ranbhare Amar Ashok**