

Key Achievements

- Directly reporting to Vice President while capturing new business opportunities, for development of new business territories and ideating new marketing strategies.
- Earned projects from several international organizations such as Shelf Drilling, Intels Nigeria Ltd, Blackline Safety, Monaco Engineering Services, Tecumex, etc., and national companies such as NRDC-BEDP Project, Reliance Mumbai.
- Executed many small scale projects such as ARC Hazop study for GAIL-NCR Project, OPM CSU Hazop project being fully responsible for overall completion and submission.
- Capable of managing all stages and technical aspects of safety studies from proposal submission to report submission (HazOP chairing for small scale projects and scribing for all projects) and commercial prospects also i.e. invoicing and payment generation.
- Managed projects as Independent facilitator.
- Managing client relationships for generating recurring business.
- Worked as Project engineer for various safety studies projects such as HazOP, Hazid, LOPA, SIL, and various safety audits.

Work ExperienceTUV SUDJan 2020 - till date**Business Development Manager – Functional Safety**

- 1) Responsible for establishing communication channels with clients, coordination and product demonstrations.
- 2) Ensuring smooth client on-boarding with commitment to best client experience.
- 3) Generated new business streams in both safety projects and training certification unit.
- 4) Active participation in Product Management and development of product evolution processes.

DNO Technical Services , DubaiAug 2019 – Dec 2019**Consulting Engineer – Process Safety**

- 1) Client: Weatherford International
 - a) Hazop/Hazid Study for Baeshiq, Drilling and testing project
 - b) Hazop/Hazid Study for Tawke T-13 SE UBD, Under pressure

Sigma HSE (India) Pvt. LtdFeb 2019 – Aug 2019**Consulting Engineer – Process Safety**

- 1) Client: Hindustan Zinc Ltd-CZLS, Chanderiya, Rajasthan
 - a) Preparation of Safety Report as per MSIHC Rule 1989 for Pyro-II and Hydro Unit
- 2) Client: Anupam Rasayan Industries Limited, Surat, Gujarat.
 - b) HAZOP study for Chemical Storage Area.
- 3) Client: Hindustan Zinc Ltd-CZLS, Chanderiya, Rajasthan
 - c) Preparation of Safety Report as per MSIHC Rule 1989 for Fumer Project
- 4) Client: Sudarshan Chemical Industries Ltd, Roha Plant
 - d) Integrated HSE studies (HAC, Hazop, QRA) for QA 65 Plant
- 5) Client: Pyrotek India Ltd, Roha Plant
 - a) Electrical Hazard Analysis for Entire Plant

USPTM Pvt. Ltd - Energy Division (New Delhi)

Nov 2014 - Feb 2019

Project Engineer

1. Client: National Research Development Corporation
b) BEDP for Millet loaf Bread

Process Safety Engineer

1. Client: DNO Technical Services at Dubai Office
 - a) Hazop/Hazid Study for Baeshiqa, Drilling and testing project
 - b) Hazop/Hazid Study for Tawke T-13 SE UBD, Under pressure drilling project
2. Client: Hindustan Zinc Ltd with McNally Bharat Engineering Company Ltd.
 - a) Hazop study for Zawar mine (Unit-32 and 34) project
3. Client : Sudarshan Chemical Industries Limited.
 - a) Integrated HSE studies (HAZOP, Consequence Modelling, HAC Studies) for QA 65 project, Roha Plant.
4. Client: ONGC with Triune Energy Services.
 - a) Integrated Hazid, Hazop and SIL Study for Kasomarigaon EPS Project
 - b) Integrated Hazid, Hazop and SIL Study for ONGC NSF Project
5. Client: Reliance Industries Limited, Mumbai.
 - a) Hazop Study for Ethylene unit and transfer line to SRF
6. Client: Gail India Limited, NCR-Noida.
 - a) Hazop Study for ARC for Hazop Study of Natural Gas Pipeline Network and Installation
7. Client: IOCL, Guwahati Refinery
 - a) HAZOP for entire refinery (including 25 process unit and 10 offline units).
8. Client: Oil India Limited
 - a) HAZOP study for Flare unit of Oil India Limited.
9. Client: HMEL Mundra, Pipeline Division
 - a) HAZOP for Entire Pipeline Division from Mundra Port to GGSRL
10. Client: GAIL-Pata,
 - a) HAZOP for HDPE-II Units.
11. Client : Indian Oil Corporation Limited, Noida.
 - a) Hazop Revalidation Study for Tank Depot and Pipeline Network (HAZOP Study)
12. Client: Reliance India Limited via Technip Benelux and TechnipKT India Limited,
 - a) HAZOP for ROG J3 project for Demo-Furnace unit. (Software Used Hazop Manager from Lihoutech)
13. Client : Cairn India with CH2M Hill, New Delhi.
 - b) Integrated HSE studies (HAZID, HAZOP and LOPA Study) for Bhagyam Oil Recovery Project.
14. Client : Orient Paper Mill , Amlaipur, M.P.
 - a) Hazop Study for Orient Paper Mill CSU Division (HAZOP Study)
 - b) Consequence Analysis of Hazard identified in HazOP session for Chlorine Dispersion.
 - c) Fire Water network study for CSU Unit
15. Client : Indian Oil Corporation Limited, Guwahati Refinery.
 - a) Hazop Revalidation Study for Offsite Tanks (HAZOP Study)
16. Client : Indian Oil Corporation Limited via Engineers India Limited,
 - a) Integrated Hazop study for BS-VI Project at Panipat, Mathura, Gujarat, Haldia, Bongaigaon, and Digboi Refinery
17. Client : TechnipFMC India, Mumbai with Reliance Power Limited
 - a) Integrated HSE studies (HAZID and HAZOP Study) for FSRU based LNG Terminal at Kudubdia Island, Bangladesh.
18. Client : Jubilant Life Science Limited, Gajraula

- a) Integrated HSE studies (HAZID & SIL-LOPA Study) of Acetaldehyde, Acetic Acid, Formaldehyde Tanks.
 - b) Integrated HSE studies (HAZID and SIL-LOPA Study) of Benzene, Ammonia & Acetaldehyde tanks
 - c) HAZOP Study for entire Alcohol tanks and Formaldehyde tanks.
19. Client : Air Liquide New Delhi
- a) HAZOP Study for ELF and EPS Project
 - b) HAZOP Study for Delfin Unit.
 - c) HAZOP Study for LCM Rectisol unit.
 - d) HAZOP Study for Air Separation Unit .
 - e) HAZOP Study for Glycerin Production Unit of Adani Wilmar Group.

Process System Auditor

- 1. Client : HMEL Bathinda
 - a) BDEP Review of ISOM and NHT Unit
 - b) BDEP Review of CDU and VDU Unit under LDPE project

Process System Engineer

- 1. Client: Digital Utilities/ Century Pulp and Paper Project
 - a) Basic Engineering Design Package (including PFD, P&ID, PDS for Equipment and Instruments) for the Biogas Purification Project
- 2. Client: Digital Utilities/ Nandi foundation Project- Mahindra & Mahindra Group
 - a) Basic Engineering Design Package (including PFD, P&ID, PDS for Equipment and Instruments) for the Biogas Purification Project
- 3. Client: Digital Utilities/ GAIL Ghazipur
 - a) Basic Engineering Design Package (including PFD, P&ID, PDS for Equipment and Instruments) for the Landfill Closure and Gas capture CDM project
- 4. Client: HMEL Bathinda
 - a) Basic Engineering Design Package (including PFD, P&ID, PDS for Equipment and Instruments) for the Low-Cost Expansion Project

Trainer

- 1. Trainer at ARIL for introduction to PSM and HAZOP study.
- 2. Trainer for Jubilant Life Science Limited for Introduction to PHR and HazOP Recording
- 3. Assistant trainer for IOCL Guwahati refinery, for Integrated Safety Study for Hazard Review (3 days-26-28th Feb, 2018)
- 4. Assistant trainer for Orient Paper Mill Division, for A brief on Process Safety Hazard Review (4 days-05th - 08th Feb, 2018)
- 5. Assistant trainer for IIT Delhi, for Introduction to Process Hazard Review (4 days-1st -05th Jan, 2018)

Certifications

- 1. Obtained level I and Level – II certification by BR&E for Promax- Simulation software.
- 2. Achieved certification on Fire Safety & Suppression system by Chola Risk Management Services
- 3. HSE Certification: ISO 45001:2018 - Principles of Occupational Health and Safety Management Systems
- 4. Fundamentals of Pressure Vessel Design in accordance with ASME by Velosi HSE & Engg. Services
- 5. Inspection in various department (Issued by Bharat Electronics Limited-A Govt of India)
- 6. Completion course certification on Business Accumen by TUV SUD

Work responsibilities

- 1. Overall organizing, and Facilitation at GRPC-2017, etc
- 2. Organizing, Facilitation and recording of HSE studies viz. HAZID, HAZOP and LOPA etc
- 3. Facilitation of Pro-max training

4. Preparing Process design packages for small process plants (including PFD, UFD, P&ID and D/S etc).

Software Proficiency

- Primatech-PHA Works, LihouTech-Hazop Manger, PHA Pro,
- LOPA Work
- Pipenet , ExSILentia
- ProMax, Autocad-2D, AutoCad Plant 3D and preliminary knowledge of PDMS
- Aloha, Phast, Safetl.

Skills

Knowledge and work experience of following domains:

Business Development, Customer follow-up, Sale growth, Market Intelligence, Client relations, Market and lead generation.

Specialization:

Process Hazard Reviews including HazID, HazOP, SIL Assessment via LOPA and Risk Graph method., Consequence Analysis via PHAST

Preliminary Knowledge:

FMEA, FTA, Bow-Tie, What-if, Check-list, Risk Assessment, Fire & Gas Detection Mapping & Network Analysis, Safety Management system, Fire and Explosion prevention, Protection and Emergency Management, Health & Safety hazards control, Evaluating emergency plan, ERDM

Academics

| Degree/Certificate | Institute/School, City | Division |
|----------------------------|-------------------------|----------|
| B.Tech, (Mechanical Engg.) | UP Technical University | First |