



PIPETECH
ENGINEERING SOLUTION PVT. LTD.

ISO 9001:2015 Certified

Celebrating **9** years

Delivering success
for our Clients
2013-2022

BROCHURE
2022



WE WORK UNIQUELY & EFFICIENTLY

- ★ 100% QUALITY OF WORK
- ★ TIMELY DELIVERY
- ★ CORRECT RESULTS AT THE FIRST ATTEMPT FOR ALL ACTIVITIES

ABOUT US

“Pipetech Engineering Solution Pvt. Ltd. was established in the year 2013, in Mumbai. Today we have presence in all the major locations across the world.

This was made possible by strict adherence to Quality Management Systems & International Codes & Standards.

We create value for our clients in India, UK, Europe & rest Of the world by delivering world-class Engineering and Manpower Outsourcing Services. Our dynamic approach to problem solving enables us to deliver quality services linked with consistent performance to our clients.

Many of our clients across sectors have retained us as their Preferred Service Provider since the past seven years. We Offer services across disciplines such as “Piping, Mechanical, Process, Civil, Electrical, Instrumentation & Control and Information Technology.” We are now completely operational in London under the name- Pipetech Engineering Solution UK Limited.”

OUR SECTORS

- REFINERIES
- OIL & GAS
- LNG, PORTS AND TERMINAL
- PETROCHEMICAL
- SHIP DESIGN
- FERTILIZERS
- CARBON CAPTURE & STORAGE
- MARINE ENGINEERING
- HVAC
- HYDROGEN GENERATION
- MINES AND MINERALS
- CLEAN ENERGY
- SOLAR POWER
- PHARMACEUTICALS
- WATER TREATMENT
- PAINTS & POLYMERS
- NUCLEAR POWER
- RESEARCH & DEVELOPMENT
- RAILWAYS & INFRASTRUCTURE

OUR SERVICES

Detailed Design Engineering

- Disciplines : Piping, Mechanical, Civil & Structures, Electrical & Instrumentation
- Innovative Piping Design Services
- Expert in Static/Rotary Equipment Design
- Civil & Structures, Concrete design, Rebar & RC Detailing under one roof
- Plant Electrical Engineering Design
- Plant Instrumentation Design using Automation
- World Class Integration Facilities

Reverse Engineering Capabilities

- Innovative 3D Laser Scan Technologies
- Products form Faro, Z&F, Leica etc.
- Use of Sophisticated 3D Tools
- Point cloud to Bubble view representations
- Conversion to Intelligent 3D Model
- 2D Documentation.

2D Solutions

- Preparation of 2D Drawings irrespective of Disciplines
- Digitization of Engineering Documents
- Use of AutoCAD/Microstation tools
- Quality Checking as per in-house/Clients standards

3D Modeling

- All-in-one Intelligent modelling services PDS/PDMS/Aveva E3D/SP3D/AutoPLANT/Plant 3D/Cadmatic/SSPipe/Revit/BIM/AECOSim/AutoCAD/ProjectWISE/Sharepoint tools/Micro Station/OpenRail/OpenBuildings/Prodok/Inventor/Ansys/Caesar-II/AutoPipe/Pipenet/Tekla/Staad-pro/Civil 3D/CADS RC,etc.
- Sophisticated Administration Services
- PDS to SP3D Conversions & vice-versa
- PDS to PDMS Conversions & vice-versa
- Time saving Catalogue or Library Creation

Analysis/Optimization Services

- Pipe Stress Analysis Using CAESAR-II & Auto Pipe
- Surge analysis using Pipenet
- FEA by Ansys or Abacus
- Structural Analysis using Staad-Pro
- Optimization of Assets/Plants
- Static And Dynamic Analysis

Process Engineering

- Preparation of Conceptual Layout
- FEED (Front End Engineering Design) and Detail Design Work
- Hydraulic Calculation Report
- Line Sizing, Pressure Drop Calculations, Safety Valve Sizing, HAZOP, HAZID, etc
- Preparation of PFD's, P&ID's and UFD's
- Adequacy Check and Calculation Report
- Process Simulation and Optimization using AspenTech tools

Miscellaneous Services

- Manpower Outsourcing to the Industry
- Payroll Management
- Project Management Consultancy
- Procurement Assistance
- Plant Design Services in case of 'Solar Thermal Power Plant'
- PV Solar Plant EPC
- Responsibility of AMC to Clients
- Special Services in Pipeline Engineering

Softwares we use of



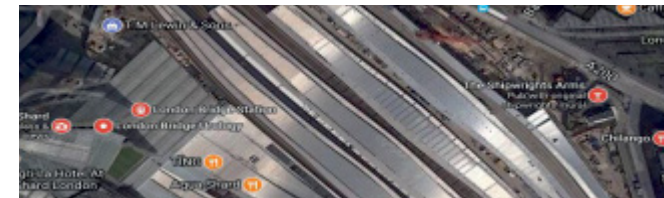
ONGOING PROJECTS

• Engineering Service Consultancy – VI Of Integrated Nuclear Recycle Plant, Tarapur

Owner: Bhabha Atomic Research Center (BARC)
Scope: Multi-disciplinary Engineering Consultancy : services for 18 blocks of NRP, Tarapur
Location: Mumbai, India
Software: SSPIPE, Cadmatic, AutoPIPE
Man Hours: 1,80,000 during 18 months

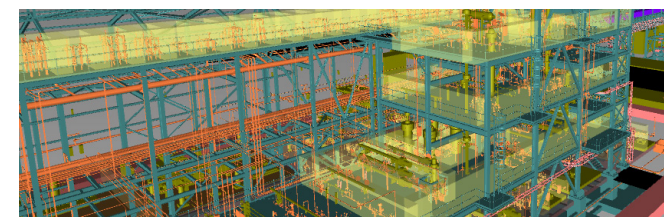
• As built Documentation of London Bridge Station

Owner: Network Rail
EPC: Costain Oil, Gas and Power Limited
Package: Architecture, Civil & Structures, Mechanical, Electrical and Public Health drawings
Location: London, UK
Software: AECOSim, ProjectWISE
Man Hours: 28000+



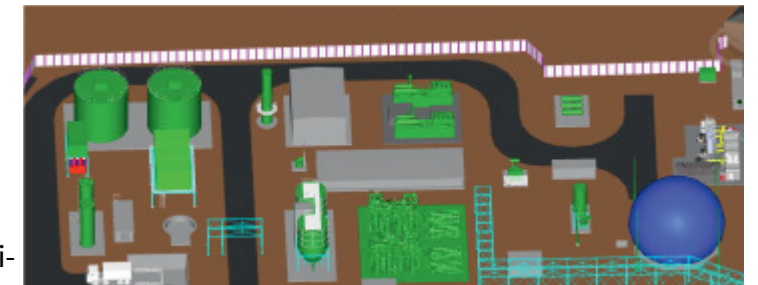
• IndResidH 850 Kg/hr Slurry Resid Hydro Cracking Unit

Owner : Indian Oil Corporation Limited (IOCL)
EPC : L&T Hydrocarbon Engineering Limited (LTHE)
Scope : Piping Design, 3D PDMS Modelling of Piping , Electrical, Instrumentation, HVAC, Fire Fighting Elements , Insertion of TEKLA Model from Civil and Structures , Piping stress Analysis and As-Built Engineering
Location : IOCL Panipat Refinery, India
Software : Aveva PDMS, CAESAR-II
Man Hours : 15,000



• Savern Trent Water Treatment Facilities

Owner : Savern Trent UK
EPC: Costain Oil, Gas & Process Ltd., UK
Scope: 3D Design of Water Treatment Facilities Within UK Such as Swalecliff, Finham Projects
Location: UK & India



• Essar Mogas Export Project

Owner: Essar Energy LTD (Shell)
EPC: Costain Oil, Gas & Process Ltd., UK
Scope: Piping, Civil, Design, 3D Modeling with 2D Drafting of Basic & Detailed, Design phase
Location : Manchester, UK
Software : Aveva E3D, STAAD-pro, AutoCAD
Man Hours: 18,000

• Boysun Gas Processing Plant (BGPP)

Owner : Government of Uzbekistan
EPC : Enter Engineering, Uzbekistan
Scope : Piping stress Analysis, Structural Support design, Flow Induced Vibrations/Acoustic Induced vibrations (FIV/AIV) and Procurement Support For Piping Speciality Items.
Location : Uzbekistan , Software : CAESAR-II
Man Hours : 35,000

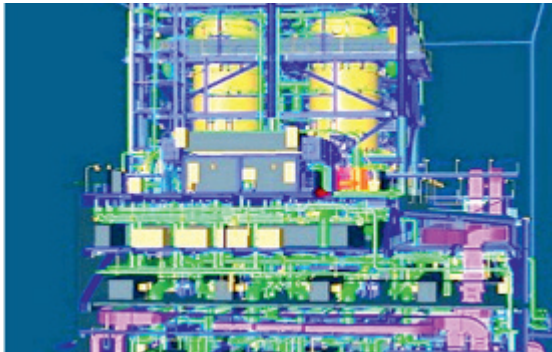
• Adequate Study of Existing HP and MP Steam, Feed Water, Cooling Water Header of Thermal Power Station and Stress Analysis of HP, MP and FW Header for Capacity Enhancement of Boilers at IOCL, Haldia

Owner: Indian Oil Corporation Limited (IOCL)
Duration: 3 months , Location: Haldia, India
Software – CAESAR-II, AutoCAD
Man Months – 8+

COMPLETED PROJECTS

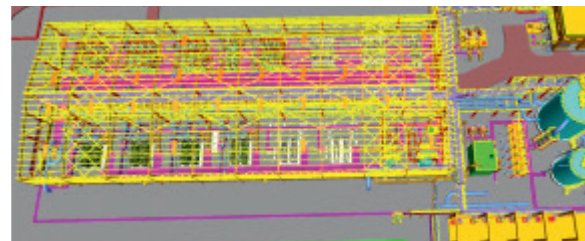
• Yamal LNG

Owner : Novatek, Total, CNPC EPC - AHIC, Sharjah ,
Capacity : 16.5MTPA of Gas Condensates
Module : MR1/MR3/MR4
Location : Yamal peninsula, Russia
Software : PDMS , Man Hours- 85,000
Completed Year: 2017



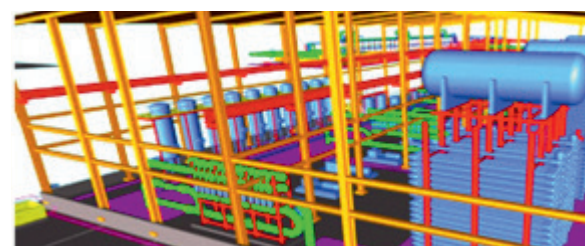
• J3MM Expansion Program

Owner : Reliance Industries Limited
EPC : VA Tech Wabag
Package : SWRO-PT/UF/RO@3000cu.m/hr
Location : Jamnagar, India , Software :PDS
Man Hours :17,500 , Completed Year: 2017



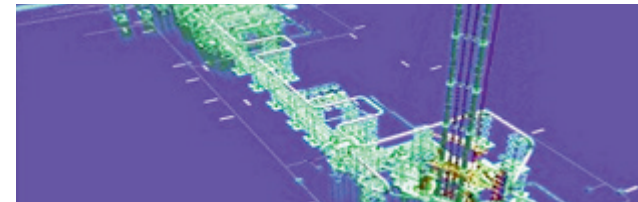
• SWRO

Owner : Reliance Industries Limited
EPC: VaTech WABAG, Capacity - 1000 M3/hr
Location: Jamnagar, India , Software: PDMS
Man Hours : 10,500 , Completed Year - 2017



• Gasification Project From Jamnagar 3

Owner: Reliance Industries Limited
EPC: Zeeco India Ltd.
Package: Flare Package, Gasification DTA
Location: Jamnagar, India , Software: PDS
Man Hours : 7000 , Completed Year: 2015



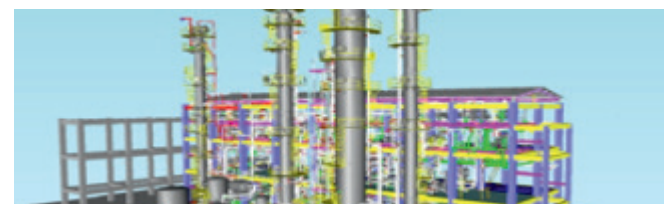
• Detail Engineering of Paint Manufacturing Complex

Owner: Asian Paints Limited , EPC: Jacobs Engineering , Capacity: 1000KLPD
Package: Water Based Paint Block + Admin Building
Location: Mysore, India & Vaizag, India
Software: PDMS , Man Hours: 45,000
Completed Year: 2018



• Caprolactum Distillation, Project, GSFC

Owner: GSFC , EPC: Simon India Ltd.
Capacity: 50000 MTPY , Location: India
Software: Bentley AutoPlant
Man Hours : 4,000 , Completed Year: 2016



• DMCPU of IOCL Paradip

Owner: GSFC , EPCL: Simon India Ltd.
Capacity: 50000 MTPY , Location: India
Software: Bentley AutoPlant
Man Hours: 4,000 , Completed Year: 2016

CLIENTELE



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