



(Since 2003)

PETROCON ENGG. & INSPECTION PVT. LTD.

CIN: U74999MH2018PTC10364

AN ISO CERTIFIED 9001 :2015 COMPANY



ABSTRACT

Petrocon was incorporated in 2003 to be a comprehensive services provider

PETROCON ENGINEERING & INSPECTION PVT. LTD.

EXPERIENCE

QUALITY

KNOWLEDGE

EXPERTISE

Our Vision

Our knowhow and expertise in the field Oil and Gas, petrochemicals, Refineries, Chemicals, Pharmaceutical, Energy, Power and Infrastructure Industries has been built since last two decades. We want this will continue to grow and will remain available for benefit of industry who strives to actively contribute to technological advancement, protecting HSE fundamental Principles.

Our Mision

The petrocon Team still Upholds as priority the primary objective that has distinguished it since its establishment: namely the aim to increase, spread and adopt know how in every area of the market its business arms operate. As such the petrocon Group strives to become the first choice among the clients in India and abroad for the precision of services in Turn key engineering projects, Cross country Pipeline, Design technical and scientific support, diagnostics and NDT, laboratory testing, Certification Services, designed to ensure the expected requirements in quality, safety, reliability and availability of Industrial and process facilities.

We have many satisfied customers throughout India and Gulf countries because we offer affordable, effective and complete & services and build long-lasting relationships, and excel where others find difficulty. Petrocon was incorporated In 2003 with its head office based in Mumbai Maharashtra India. We aim to be a comprehensive

CROSS COUNTRY PIPELINE PROJECTS

Petrocon Engineering & Inspection Pvt. Ltd. undertakes execution of cross-country pipeline projects on EPC basis, involving laying including OFC, horizontal direct drilling (HDD), testing, pre commissioning and commissioning of pipelines. Expertise includes design, engineering, procurement, and construction of Civil, Mechanical, Electrical and instrumentation for composite station works, cathodic protection system for pipelines / stations.

A slew of advanced measures like GPS aided surveys, PUF insulated joint coating for pipeline projects, development of FCAW semi-automatic welding technique and PAUT in Radiography are successfully adopted across various projects.

OUR EXPERTISE INCLUDE

1.Horizontal Directional Drilling

We are well equipped to execute Horizontal Directional Drilling at any type of complicated length. Our experienced engineers and operators are capable of providing services for Horizontal Directional Drilling for River Crossing, Railway Crossing, Road Crossing,

Canal Crossing Etc.



Canal Crossing Etc.



Major Road Crossing



River Crossing



Sand Blasting And Coating



Heavy Fabrication



Our services

Process Engineering

- 1.Preparation of conceptual layout
- 2.FEED (Front End Engineering Design) and detail design work
- 3.Hydraulic calculation report
- 4.Line sizing, Pressure Drop Calculations, Safety Valve Sizing, HAZOP, HAZID etc.
- 5.Preparation of PFD's , P&ID's and UFD's
- 6.Adequacy check and calculation reports
- 7.Process simulation and optimization using AspenTech tools

Detailed Design Engineering

- 1.Disciplines : Piping , Mechanical , Civil & Structures , Electrical & Instrumentation
- 2.Innovative Piping Design Services
- 3.Expert in Static/Rotaty Equipment Design
- 4.Civil & Structures, Concrete design under one roof
- 5.Plant Electrical Engineering Design
- 6.Plant instrumentation Design using Automation

Analysis/Optimization Services

- 1.Piping Stress Analysis using Caesar- II & Auto PIPE
- 2.Surge Analysis using PIPENET
- 3.FEA By Ansys/Staad-Pro
- 4.Optimization of Assests/Plants
- 5.Static and Dynamic Analysis

SOFTWARE CAPABILITIES

1.SP3D

2.PDS

3.PDMS/Aveva E3D

4.Autoplant

5.Microstation/Inventor

6.Caesar – II / Auto PIPE

7.AutoCAD

8.Plant 3D/ REVIT

9.SolidWORX/CadWORX

10.CADMATIC tools

11.Staad-Pro/Pro Steel

12.Tekla/CATIA/Ansys

13.AspenTechAspenOne

14.Dialux

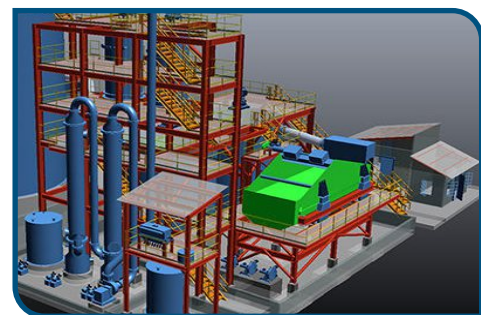
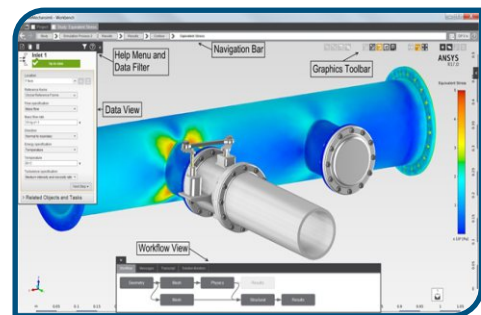
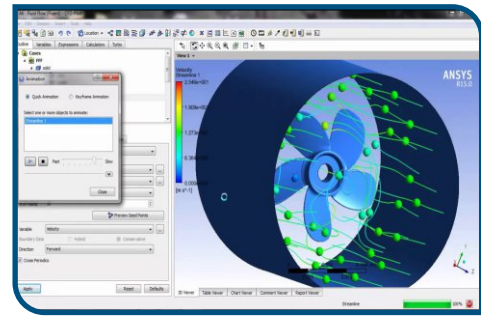
15.Smart Plant P&ID ,Aveva P&ID

16.LFM/Cyclone

17.AECOsim/BIM/Rebar CAD/RCDC

18.Projectwise /eB Insight

19.SP Instrumentation , SP Electrical



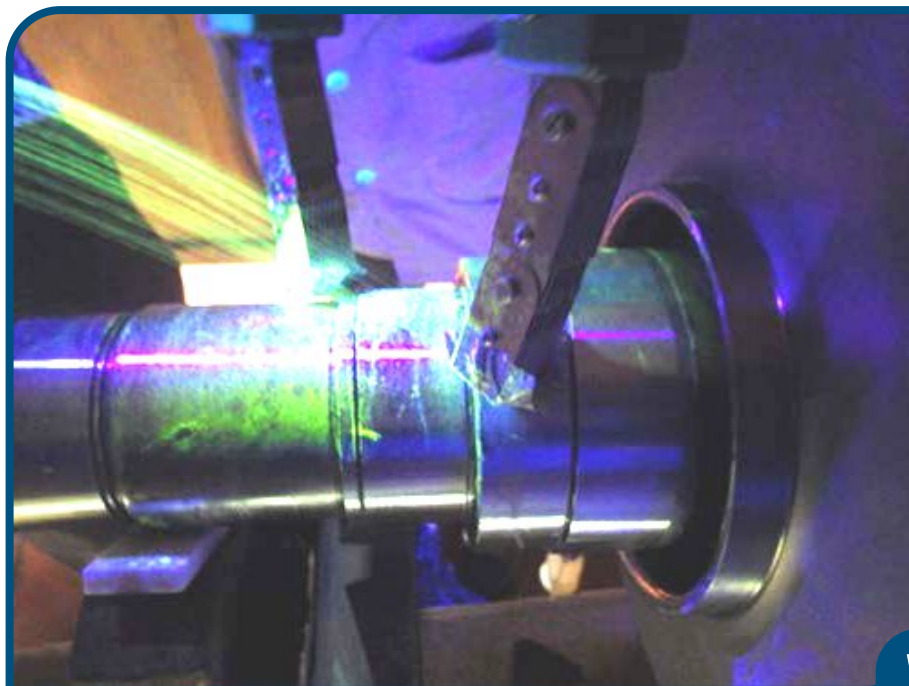
NDTAUTOMATED NON DESTRUCTIVE TESTING

PAUT(Phased Array Ultrasonic Testing)/TOFD (Time of Flight Diffraction)



NDT –Surface, Volumetric non Destructive Testing

Radiographic testing gamma / x- ray Crawler , Visual testing ,Magnetic particle inspecting , Penetrant testing , Ultrasonic Testing, Leak testing, Hardness testing



Hardness Testing



Liquid Penetrant Testing



Radiographic Testing



Aboveground Storage Tanks

Floor Scanner for the bottom ,Dimensional check-verticality

UTG testing for shell , Metallographic replicas

Heat Exchanger Tubes Inspection /Piping ,Process Equipment Inspection Insulated/Non Insulated

Eddy Currents, Pulse Eddy Current Testing for insulated Pipeline Long range guided wave inspection,

Remote Field Pulse eddy current testing, MFL- Magnetic Flux leakage

Workshop And Site Inspection During Fabrication Stage.

Base materials, filter materials,Welding machines,Fit-up and Pre-assembly chek

Check or definition of properWelding sequences, Check of welding parameters

Technical advice for solving welding,And assembly concerns,Steady relationship with QA/QC,Functions and Site Management



HEAT TREATMENTS

Pre Heating ,Post Heating, Hydrogen Diffusion Heating,
Intermediate Stress Relieving Post Weld Heat Treatment,
Shrink Fitting , Normalizing , Solution Annealing, Refractory
Dryout Coating Curing



**Add: Plot No. Pap-a-257, T.T.C. Industrial Area, Mahape, Opp. Plot No. A-402,
Navi Mumbai, (India). Pin - 400710.**

Web: www.petroconindia.net

Email: chandrakant.dalvi@petroconindia.com | petrocon.support@petroconindia.com | petrocon2618@gmail.com

Tele: +91 22 – 27781773/8097073003. Mob: 9769855560/9969402483