



ISO CERTIFIED 9001:2015

*Engineering, Surveying & Solutions*

## Who are we

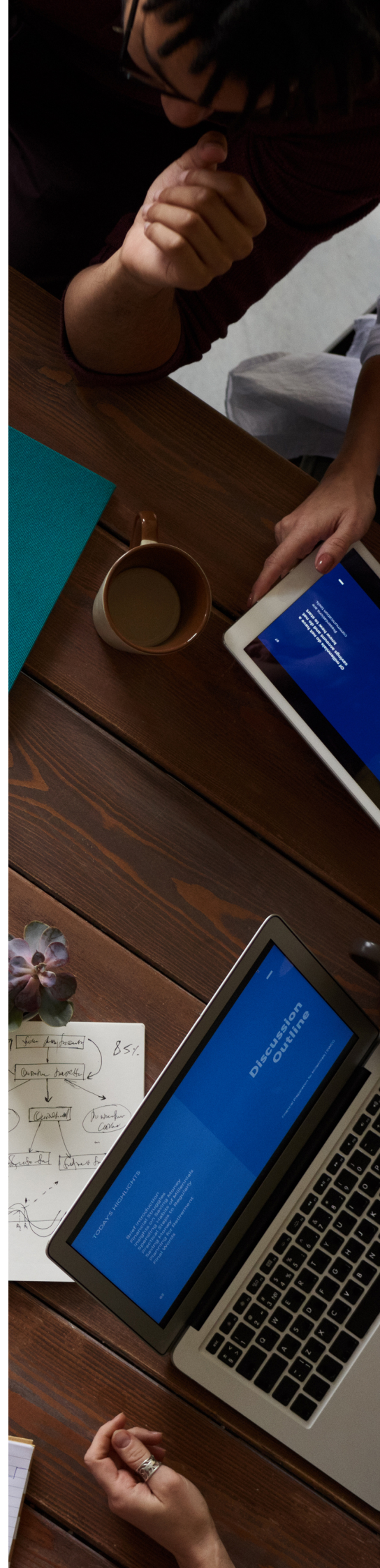
We take immense pleasure in introducing ourselves as the fastest growing organization in engineering consultancy and manufacturing sectors.

## Our Vision

To Partner with our clients to satisfy their engineering design needs, through reliable, high quality and cost-effective service models.

## Our Mission

To be leading engineering solution provider in several sectors acknowledged for setting professional standards in all our activities and for creating values for our clients.

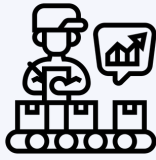


## What we do?

Design, Manufacturing, Erection & Commissioning of Process-Package Equipment's and Instrumentation, Sales & Service of Instrumentation, Valves, Manufacturing of Machined Components for Oil & Gas, Pharmaceutical, Nuclear-Atomic Energy and Solar Energy Industries



Technical Support



Value Engineering



Quality Control



Erection and Commissioning



Process Control

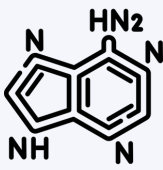


Maintainance

## Our Industries



Oil & Gas



Pharmaceutical



Power Generation



Petrochemical



Shipping



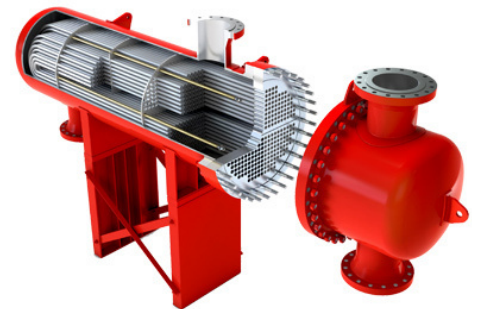
Other process Industries

## Why from us?

Our engineering services team are dedicated to providing impartial analysis, Simulation advice and immediate solutions for your engineering problems.

## Process, Piping & Mechanical

- P&ID, Process Design and simulation.
- Equipment sizing and line size calculations, ASI and ASME vessel design.
- Process and Utility pipe design, pipe calculations and studies.
- Layout designing (2D & 3D mode)
- Skid Designing & Fabrication
- Piping & Flow system designs
- Engineering, Design and fabrication of process equipment's, Pressure vessels, Columns, trailer-mounted vessels, filters, machining components of various size.
- Process engineering design support for package fabrication companies for reactors, Heat exchanger, Condensers.



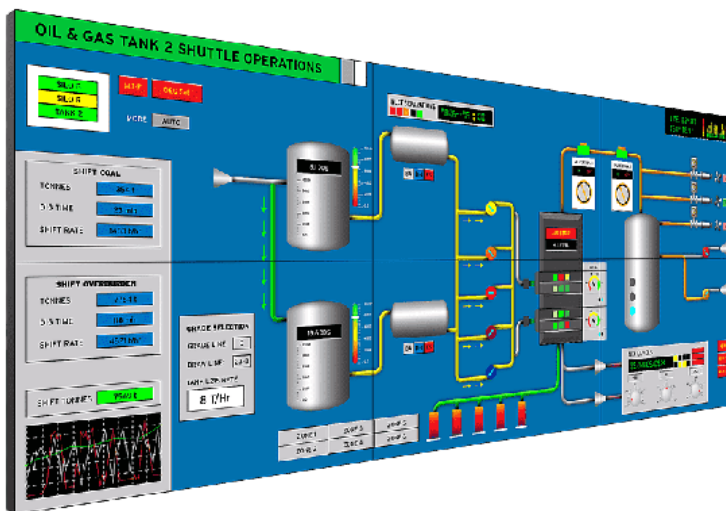
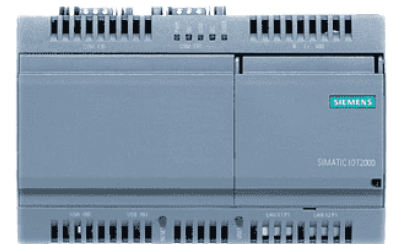
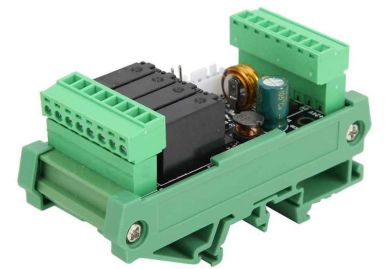
## Instrumentation

- Plant Automation, Safety Systems and Fire Alarm System.
- Field instrumentation and valves, Wireless instrumentation.
- Construction Engineering: Location layouts, MTO, Hook-up, Junction Box, Cable and cable tray systems.
- Calculations: Instrument and Hydraulic
- Studies- SIL Study, Alarm Management system.
- In tools, Aveva, Special In-house tool for power calculation, cable sizing & its routine checks.



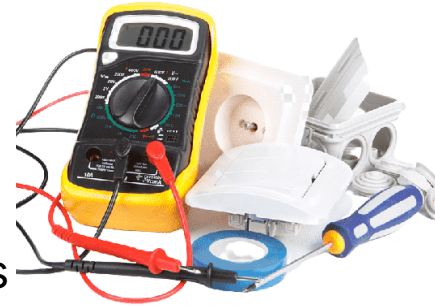
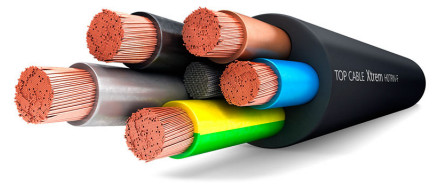
## Instrumentation

- Engineering, Design and Fabrication for Process PLC systems with the latest world-leading automation tools Siemens, Yokogawa, GE, Schneider.
- Providing a turnkey automation solution for Upstream process, Downstream process, Pipeline monitoring and controlling fuel tank farms.
- SIL-3 Safety standards, Engineering, Design for ESD, F&G and Pipeline control and management systems for both Oil & Gas.
- Safety systems that are easy to integrate with all SCADA/ DCS.
- VDRL, FAT, SAT and relevant documents, start-up and commissioning.



## Electrical

- Load Analysis according to operating conditions.
- Power generation and distribution system design.
- System Studies (Load flow, Short circuit, Motor Starting, Relay Co-ordination & Harmonic Studies)
- Equipment (Generator, Transformer, Switchgear, cable etc) Sizing and Selection.
- Equipment Selection according to Hazardous Area.
- Single Line Diagram, Control & protection schemes.
- Layouts: Earthing, Cable trays Routing & Power Layouts



## Health & Safety (HSE)

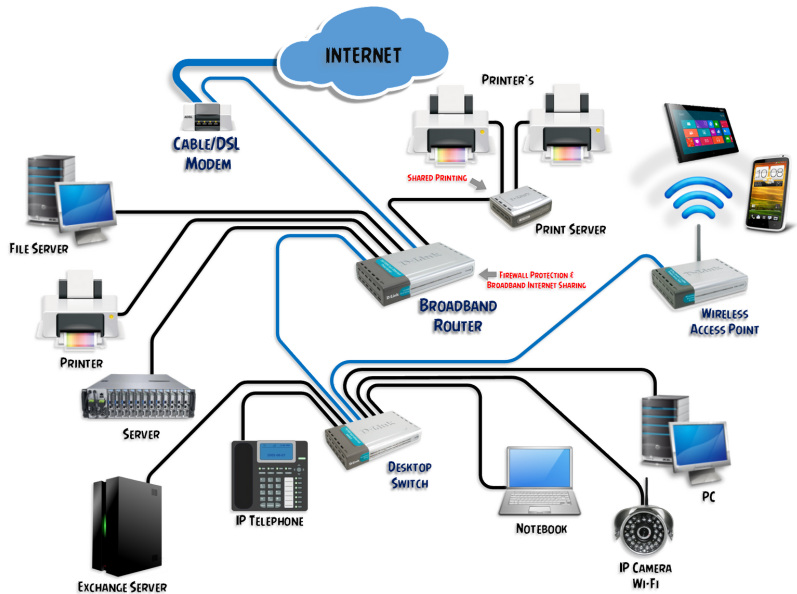
- Quantitative Risk Assessment (QRA), Fire Risk Assessment, Smoke and Gas Ingress Studies.
- Emergency Systems Survivability Assessment, Escape, Evacuation and Rescue Analysis and Layers of Protection Analysis (LOPA).
- Fire and Gas Detector location/ Mapping Studies/ Cause and Effect HSE Critical Equipment and Systems (HSECES) Alarm and Bow Tie analysis.
- Hazardous Area Classification layouts
- Philosophies and Fire Protection Engineering
- HAZID, HAZOP (Hazard and Operability Studies)





## Telecommunications

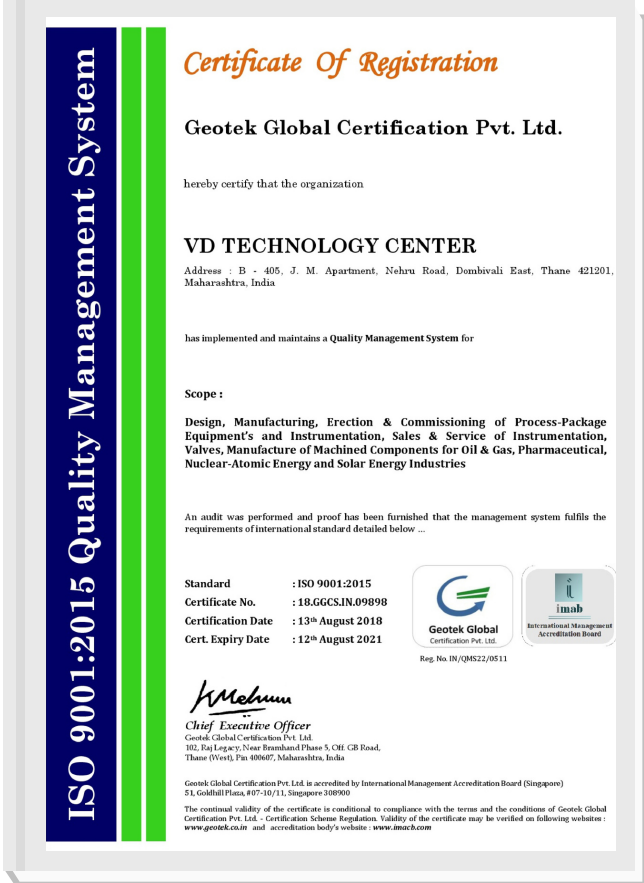
- PAGA, Radio system design.
- PABX, CCTV, Network LAN & WAN systems design.
- SDH, VSAT & FO Cable Communication systems.
- Plans network installation by studying Client order, plans, manuals, and technical specification, ordering and gathering equipment, supplies, materials, and tools assessing installation site and preparing an installation diagram.



# Our Achievements

VD Technology is an ISO certified company, ISO 9001:2015 is an international standard dedicated to Quality Management Systems.

It outlines a framework for improving quality and a vocabulary of understanding to provide products and services that consistently meet the requirements and expectations of customers.



Award and quality marks can boost your organization's reputation, setting you **"apart from the crowd"**

VD Technology center awarded with BEST MSME India 5000 for its excellent performance in the Year 2018."

INDIA 5000 is a research group initiated and organized by benchmark trust which has been doing research and recognition for 5000 best MSME in quality output.

## Our Clients






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