



Software Information
Systems & Technologies

SISTECH CONSULTANTS

F-264, First Floor, Dreams The Mall,
Bhandup (W), Mumbai, Maharashtra, India.
Tel. : +91 99678 27714.

Email: sistech.consultants@gmail.com

Date :

Kind Attention :

Dear Sir/Madam,

'SISTECH CONSULTANTS' is a Design & Engineering Consultancy offering Plant Detail Engineering services to firms in the Engineering, Procurement & Construction (EPC) industry.

Currently we are providing services to Top EPC organizations in India.

L&T, Aker Solutions, Jacobs Engineering, Petrofac Engineering, Technip, Ingenero Technologies, Heurtey Petrochem to name a few.

We are enclosing herewith our detailed profile for your ready reference.

We now look forward to have a long & fruitful business association of mutual benefit with your esteemed organization.

Thanking and assuring you the best of our services and attention at all times.

Yours faithfully,

SISTECH CONSULTANTS

TUSHAR S. NAIK.



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Company Brief

'SISTECH CONSULTANTS' was established in the year 2008 to provide Detail Engineering services to firms in the Engineering, Procurement & Construction (EPC) industry. Our team includes Engineers, 3D modelers & CAD operators from various engineering disciplines.

Based out of Mumbai city, India's commercial capital, SISTECH CONSULTANTS is on a fast growth track. Within a short span of its inception, it has built reputation with many of the big National players in the EPC industry. A snapshot of our clients list is at the annexure of our profile.

SISTECH CONSULTANTS is engineered and committed to provide quality detail engineering services in the EPC sector. The founder being from engineering background, understand the pain area of the industry and endeavor to provide quality solutions in stipulated time.

Focus:

- **To be able to deliver quality results, first time, every time.**

Values:

- **Quality**
- **Reliability**
- **Integrity**

Confidentiality Policy:

The salient features of our policy are,

- All data and information provided by the client will be confidential and strictly the property of the client.
- SISTECH CONSULTANTS agrees that neither it nor its staff working on the project will disclose any information about the project to any third party without the client's prior consent.
- SISTECH CONSULTANTS further agrees that neither it nor its staff will reproduce in any way or divulge any tangible or intangible property whatsoever which could reasonably be construed as constituting confidential information of the client.
- All raw data, printouts, processed data and final product will solely be the client's property.



Engineering Services:

1. Piping Detailing Services

- Preparation of Equipment Layout, Piping Layout, Plot Plans, Complete BOM.
- Piping Isometric Generation.
- Preparing Civil/Structural Information Drawings.
- Preparing Material Specifications, Procurement Assistance.
- Provides expertise in 3D modeling as well as Administration part.
- Consulting for Tender / MR / RFQ preparation. Vendor document review & approval.

2. Piping Stress Analysis

- Linear Static Stress Analysis and Non-Linear Stress Analysis
- Dynamic Stress Analysis including:
 - Earthquake/Seismic Analysis
 - Natural Frequency Analysis
 - Slug flow and Water Hammer Analysis
- Fatigue Analysis for High Pressure Lines as well as Wellhead Flowlines, Bridge Piping Analysis.
- Analysis of Jacketed Piping
- Analysis of FRP/GRP lines
- Finite Element Analysis

All Pipe Stress Analysis services are performed and confirm to the requirements of International design codes, such as:

- ASME B31.3
- ASME B31.1
- ASME B31.4/ B31.8
- UKOOA/ BS 7159/ ISO 14692
- ASME BPV / PED (Pressure Equipment Directive)
- **Max. Pressure Handled = 810 Bar g (15000 PSI) [Offshore Wellhead Piping]**
- **Max. Temperature Handled = 850 deg C.[Heater & Reformer Piping]**



3. Civil & Structural Design

- Structural Analysis & design using Staad-Pro.
- Preparation of Structural fabrication drawings.
- Underground layouts & corresponding details.
- Preparation of Architectural drawings.

4. Mechanical Design

- Pressure Vessel and column design & calculations using PVElite.
- Heat Exchanger Design (All TEMA Types)
- Pressure Part Calculations
- Combined Load calculations for Tall Columns/Vessels.
- Preparation of Mechanical Data Sheet (MDS) for inquiry purpose.
- Basic & Detail Engineering for Boiler Design.
- Review of Vendor Drawings and calculations.
- Zicks Analysis for Saddles/ Local Load Analysis for Nozzles.
- Detail Engineering - Preparation of Vessel fabrication drawings using CAD.

5. Instrumentation Design

- Preparing Instrument Specifications e.g. Transmitters, CVs, Analysers, Local Field Instruments etc.
- Preparing Instrumentation Drawings e.g. LTA, Instru. Hook up, Loop drawing, Cable Block diagram etc.
- Control System Engineering:
 - DCS/ PLC IO list & count, Cause and effect diagram
 - ICSS (Integrated Control Shutdown Systems mainly for Offshore)
- Construction and commissioning supervision assistance.
- Inspection, Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT) on behalf of a client.



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6. Technical Manpower Supply

- SISTECH CONSULTANTS clientele to supplement their organization with temporary & contract professionals for design office & Site requirements.
- We are dedicated to help you find out right professionals to meet your specific requirements, whose skills match your requirements.
- We can depute following professionals within notice period.
 - Piping (Layout & Stress)/ Process/Mechanical - (Engineers, Designers & Draftsmen)
 - Civil - (Engineers, Designers & Draftsmen)
 - 3D Modelers – PDMS & PDS designers

Partial List of Clients:

- Larson & Toubro, Mumbai.
- Aker Solutions, Mumbai.
- Technip, Mumbai.
- Jacobs Engineering, Mumbai.
- UHDE India, Mumbai.
- FABTECH Engineering Consultants, Al Jubail, Kingdom of Saudi Arabia.
- Petrofac Engineering India Ltd.
- Mustang Engg. India Pvt. Ltd., Mumbai.
- Heurtey Petrochem I. Ltd., Mumbai.
- Ingenero Technologies, Mumbai & many more.....



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Resources:

- Office Space - 500 Sq.ft. (Planned 1000 Sq.ft)
- Workstations - 8 Nos., Printers & Scanner Available.
- Employee Strength -

Total	-	14
Engineers	-	10
2D / 3D Professionals	-	3
Support Staff	-	1
- Associates -

Process	-	1
Civil	-	1
Mechanical	-	1
- Softwares - Caesar II, PVElite, Staad Pro, Ansys, Auto CAD.
Expertise available on ACad, Microstation, PDMS & PDS.

Contact Person:

- **TUSHAR S. NAIK**
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- Email : Tushar.Naik@sistech.co.in