

NE&C

NARPAVI ENGINEERING & CONSULTANCY

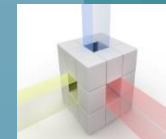


ABOUT US

Narpavi Engineering & Consultancy (NE&C) is fast growing multi disciplinary engineering consultancy firm in India which is located at Chennai.

We offer comprehensive Engineering Solutions for wide range of Oil & Gas, Storage Terminals and Process Plants by using latest Technologies, Software's and Infrastructures.

- ❑ Executed Projects from India, Malaysia, Singapore and Middle East Clients.
- ❑ Executed Projects for;
 - Owner Operators
 - EPC Companies
 - Design Consultants
 - Fabricators



Detailed Engineering Consultancy Firm operates in the following verticals:

- **Process**
- **Mechanical & Piping**
- **Instrumentation**
- **Fire & Safety**

Performing Engineering services.

- **Basic & Detail Engineering**
- **Pre - Bid Engineering**
- **Procurement Engineering**
- **HAZOP Facilitation**
- **Process Simulation Study**
- **Transient Study & Pipe Stress Analysis**
- **HSE Case Development**

DOMAIN EXPERTISE



RANGE OF SERVICES



**Engineering
Consulting**



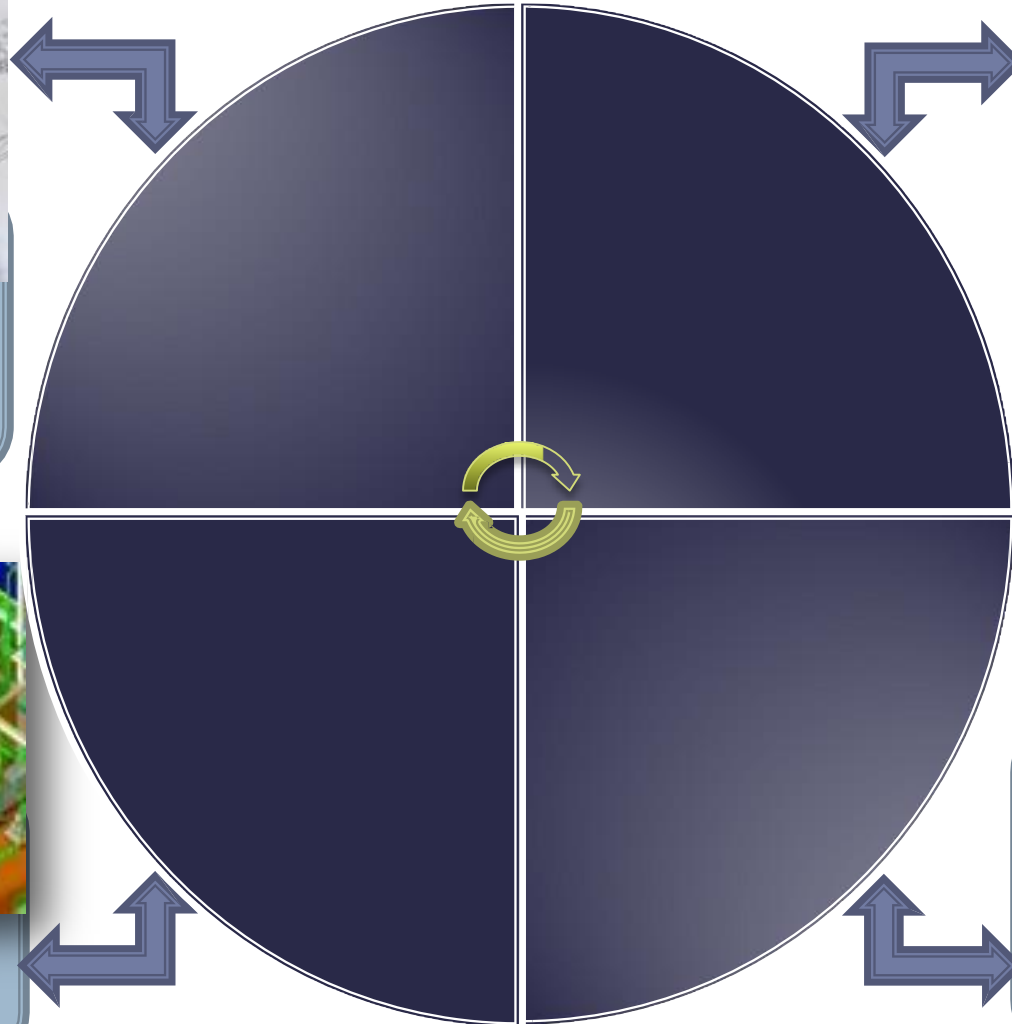
**Basic &
Detail
Engineering**



**3D Modelling
/CAD**



**Procurement
Support**



OFFERING - ENGINEERING CAPABILITY

Multi Discipline Engineering Capability in the following areas:

- Process Engineering
- Piping Engineering
- Mechanical Engineering
- Instrumentation Engineering
- Fire & Safety Engineering
- Procurement Assistances



Skills and Expertise

- Design & Detailed engineering
- Process Simulation, Transient Study and Pipe/Pipeline Stress Analysis
- Review engineering
- Bid assistance and engineering
- Procurement support
- 3D modeling using SP3D/PDS / PDMS / Caddworx / Plant 3D / Tekla
- 2D drawing conversion AutoCAD / Microstation / SP-PID
- As-built engineering



DISCIPLINE CAPABILITIES

PROCESS	PIPING	MECHANICAL	INSTRUMENTATION
<ul style="list-style-type: none"> ➤ FEED, Basic and Detailed Engineering & Design ➤ Pre-Bid Engineering ➤ Conceptual Study ➤ Adequacy Study ➤ PFD, HMB, UFD & PID ➤ Hydraulic & Pump Head Calculation ➤ Equipment Sizing (HE, Tank, Separators, etc) ➤ Heat Loss/Gain Cal. ➤ Safety Valves Sizing Calculations ➤ Other Process Sizing Cal. ➤ Process Simulation ➤ Transient Study Analysis ➤ Blowdown & Depressurization Study ➤ Process & Instrument Datasheets 	<ul style="list-style-type: none"> ➤ Basic and Detailed Engineering & Design ➤ Pre-Bid Engineering ➤ Equipment Layouts ➤ Piping Layouts ➤ GA Drawings ➤ Clash Checking ➤ Pipe & Special Supports ➤ Stress Analysis ➤ FEA ➤ FIV & AIV ➤ Surge Analysis ➤ Isometrics ➤ Bill Of Material (BOM) ➤ Fabrication Drawings ➤ 3D Modeling ➤ Piping MR & Specification 	<ul style="list-style-type: none"> ➤ Pre-Bid Engineering ➤ Detail Engineering ➤ Design Calculations ➤ Fabrication Drawings ➤ MTOs and Datasheets ➤ Vendor Drawings Checking <p>For following Items:</p> <ul style="list-style-type: none"> • Heat Exchangers • Pressure Vessels • Storage Tanks & Columns • Reactors & Pig Launchers • Compressors & Turbines • Pumps & Engines • Packaged Equipments • Flare Systems • Material Handling 	<ul style="list-style-type: none"> ➤ Basic and Detailed Engineering & Design ➤ Pre-Bid Engineering ➤ Instrument Index ➤ Specifications & Datasheets ➤ Control Valve sizing ➤ Cause & Effect Chart ➤ F&G and Cable Tray Layouts ➤ Loop & Hook-up Drawings ➤ Logic & Wiring Diagrams ➤ Installation Drawings ➤ MTO

ENGINEERING SOFTWARE RESOURCES

ENGINEERING DESIGN SOFTWARES	
DISCIPLINE	
Piping	➤ CAESAR II
	➤ SP 3D/PDMS/PDS/CADWORX
	➤ AUTOPLANT 2D & 3D
	➤ AUTOCAD
	➤ MICROSTATION
Mechanical	➤ PV ELITE
	➤ TANK
	➤ ANSYS
	➤ AUTOCAD
	➤ MICROSTATION
Process	➤ PIPENET
	➤ ASPEN TECH
	➤ HTRI

DISCIPLINE	ENGINEERING DESIGN OFTWARES
Instrumentation	<ul style="list-style-type: none"> ➤ SP 3D/PDMS/PDS/CADWORX ➤ SP INSTRUMENTTATION ➤ AUTOCAD

KEY PERSONNEL PROFILE

Mr. S Venkatesan, M.Tech - Chemical Engineering

Has 18+ years of experience in the field of Off Shore & On-Shore various Projects, Petroleum & Petro-Chemical, Storage Tank Terminals in India, East Asia and middle East, Petro-Chemical & other Chemical Process Plant Industries and Fire fighting Facilities

Mr. N Jonny, M.E. - Mechanical Engineering

Has 18+ years of experience in the field of Static & Rotating Equipment's in Off shore and On shore, Petro-Chemical, Power Plants & Other Chemical Industries.

Mr. K Manikandan, B.E - Mechanical Engineering

Has 18+ years of experience in the field of Mechanical & Piping Engineering. Experience in Power Plants, Chemical / Process Plant & Oil & Gas Plants.