Introduction:

Sculpt Design Consultancy Pvt. Ltd. is a professional engineering services firm with proven expertise in Fire safety & protection engineering, MEP (HVAC, Electrical & Plumbing), piping, Oil & Gas and Instrumentation Engineering. Our portfolio of services also encompasses project Management Engineering, feasibility studies, field investigations, construction supervision, project planning, on-site manpower assistance, integrated design and detail engineering outsourcing services globally.

Sculpt Group emerged from the root of our concern called Sculpt Design Consultancy Private Limited (SDCPL), Chennai, India. SDCPL has over 80 in-house engineers and established network/presence in Asia & Middle East countries.

Sculpt provides consultancy services for the lifecycle of a project, to a broad range of sectors. We provide engineering solutions, from conceptual design to project management and commissioning support (End-End).

The company is committed to ensuring client confidence in their investment decisions. Consequently, it has a strong focus on innovation in order to maintain the highest performance standards in all aspects (High quality and value for money on time and in accordance with the agreed customer requirements).
SPM Engineering Consultants is our partnering company specialized in Oil & Gas, Electrical and Instrumentation Engineering.

SPM ENGINEERING CONSULTANTS
Operations: | UAE | India: Chennai / Trichy |
Website: www.spmengineeringconsultants.com

Sculpt Institute of Technical Training Center (SITTC) is our group company providing training services to students and graduates in the field of Piping, MEP Engineering and exclusive authorized training center for Creo (earlier known as Pro-Engineer) & Autodesk products in Trichy.

SCULPT INSTITUTE OF TECHNICAL TRAINING CENTER
Operations: | India: Chennai / Trichy |
Website: www.sittc.co.in
Vision:

Our vision is to bring quality work with perfection and awareness about Fire, Life safety and CAD support services to valued clients/end user. We prefer our expertise engineer’s professionalism and dedication on global focus to get continual improvement of success rate to become a leading global service provider.

Our Goal:

We are committed to achieve excellence in every aspect of delivering timely solutions. We strive to create environments that inspire, empower and revolutionize lives, workplaces and recreations of humanity.

We aim to contribute significant value, not only to our clients but also to our employees and our community, through continual innovation, sustainable development and global best practice.

Mission:

Our mission is to build effective organization with existing and new effort of valuable engineers; we continually aim to achieve the excellence and profitable growth in our core business with brand recognition.

Sculpt encouraged to strive new trends and technologies at early stage of work in order to get quality outcome with professionalism.
FIELD OF SPECIALIZATION:

- Power Plant
- Commercial
- Industrial Plants
- Airport
- Seaport
- Oil & Gas
- Medical
- Warehouse
- Automotive
- Hotels
- Residential
- Shopping Complex
- Theaters
- Laboratory
- Clean Rooms
KEY ACTIVITIES:

- Engineering Design Consultancy Services
- Engineering design outsourcing services
- MEP Detail Engineering services
- MEP Peer Review
- Electrical & instrumentation Engineering
- On-site Manpower Assistance
- Fire & Gas detection mapping Services
- Feasibility / Calculation / HAZOP Study
- Storage Tank Design & Detail Engineering Services
- Supervision of Installation works
- Project management Services
We always strive to upgrade to the latest local & international codes, standards, Worldwide research works and innovations to achieve the highest safety at most economical way.
## Fire Safety & Protection System Competence:

<table>
<thead>
<tr>
<th>Code Compliance</th>
<th>Performance Based Design</th>
<th>Fire Protection System</th>
<th>Construction Management</th>
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<tbody>
<tr>
<td>• Building/Fire Code Consulting</td>
<td>• Project Review and Analysis</td>
<td>• Systems Design</td>
<td>• Project Delivery Analysis/Planning</td>
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<td>• Code Equivalency Development</td>
<td>• Goals &amp; Objectives Definitions</td>
<td>• FEED Documents</td>
<td>• Construction Contract Administration</td>
</tr>
<tr>
<td>• Performance-Based Code Compliance</td>
<td>• Trial Design Development and Evaluation</td>
<td>• Tender Documents</td>
<td>• Construction Bid Documentation</td>
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<tr>
<td>• Audits and Surveys</td>
<td></td>
<td>• Fire/Smoke/Egress Modeling</td>
<td>• Installation supervision/Quality Management</td>
</tr>
<tr>
<td>• Fire Protection Master Planning</td>
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<td></td>
<td>• Commissioning/Acceptance Testing</td>
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</table>
We are specialized in Design and detailing of MEP Services with the depth knowledge of Indian and international standards. Our services include an exceptional quality with a guaranteed timely delivery of projects. We provide the following services for both new and existing facilities.

Sculpt strive to offer a high-level of expertise within the mechanical, electrical & plumbing engineering discipline. We encourage our engineers to get involved with various organizations such as the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the American Society of Mechanical Engineers (ASME), and the American Society of Plumbing Engineers (ASPE) allowing us to stay on the cutting edge of new technology. Our engineers design for a variety of projects and clients thus having an in-depth knowledge base to pull from. We are able to provide assessments, recommend alternatives and provide a properly designed high-functioning system to meet the clients very specific individual need.

Our expertise covers a wide variety of MEP design including:

- Central Plant Heating and Cooling Systems
- Chilled Water / VRV / DX / Evaporative Cooling System
- Chilled Beam / Radiant Panel / Spot Cooling System
- Hot water / Process Cooling System
- Normal / Industrial Ventilation System
- Chemical Exhaust System/Dust Extraction System
- Smoke Exhaust System

- Boiler Design
- Internal hot & cold water supply distribution system with combination of Gravity and Hydro pneumatic distribution
- Domestic water treatment plant.
- Sewerage Treatment Plant (STP)
- Effluent Treatment Plat (ETP)
- Soil, Waste and Vent Piping
- RO
- Distilled Water System / Deionised Water System
- Eye wash / drench shower
- Compressed air / Vacuum System
MEP ENGINEERING SERVICES:

- Lighting (Normal, Emergency, Aviation & Façade lighting)
- Power (Small & UPS Power)
- Extra Low Voltage (Tele & Data, CCTV, BMS, ACS, FA & PA/VA)
- Substations, Electrical, Telecom & Generator room
- Panels (MDB, DB, EDB, MCC, EMCC, FACP, VACP, CBDB etc.)
- Calculations (Load schedule, Voltage drop, Cable tray, Cable trunking, Cable ladder & Conduits)
- Selection of Wires & Cable
- Schematics & Single line diagram
- Lightning Protection
- Earthing Drawing

- External & Internal Hydrant System Design
- Wet Sprinkler System
- Dry Sprinkler System
- Deluge System for Transformers and Storage Tank
- Foam Sprinkler & Spray Nozzle System
- FM 200 System
- CO₂ System
- Fire Extinguishers
- Fire Pump room / Reservoir Arrangement

We Ensure

- Zero Error
- Timely Deliverables
- Proper Allied Service Co-ordinations
- Client Satisfaction
ACTIVITY METHODOLOGY:

- Basis of Design
- Schematic of MEP & FPS Systems
- Detailed Design
- Tender Documents
- Installation Supervision
- Commissioning & Handing Over

Timely completion on each stage.

Excellence in deliverables.
Depending on the client’s requirements and project needs, we can undertake to act as the Owner’s representative or operate as your EPCM consultant ensuring success of the overall project on your behalf.

Sculpt expertise in project management starts after feasibility studies i.e. from site selection, extended basic engineering till commissioning assistance. We leverage in-house design & engineering expertise and co-ordinate with various disciplines like Civil, structural, architectural, process, plant engineering, utilities etc.

With Sculpt, you have the option of working with just one engineering company throughout your project. During the project management phase, we will generate project schedules and facilitate project meetings for you. We will help your staff stay on top of project schedules and deadlines, meet with vendors to ensure timely delivery of quality products, and coordinate with operations, subcontractors and the entire cross functional team to ensure that your project gets completed on time.

Our services include:

• Extended Basic Engineering
• Budget Cost Estimation
• Detail Engineering
• Technical support for statutory approvals
• Procurement Assistance
• Vendor monitoring & expediting
• Construction Supervision
• Assistance in installation & commissioning
We begin outsourcing projects from various stages of completion and provide with design, calculation, detailing and final drafting of documents. Sculpt understands outsourcing of engineering services, we are capable of understanding project / client requirements precisely. We are an off-shore service provider, capable of undertaking all kinds of Fire / MEP engineering services, starting from full construction specifications to remodeling, renovation or rescaling. We are also providing on-site service based on client requirement.

Sculpt connects business with low-cost CAD services from our backend engineering firm in India with adequate resource to meet even critical deadline schedules. This service will be fruitful to PMC Consultants / Main / MEP contractors, as a reason, we generate the conceptual design drawing, design basis report, BOQ, Specification, startup project presentation, etc,.. for Fire / PMC consultants, and complete coordination drawing for HVAC, Plumbing, Firefighting, Electrical, Utility services, etc,.. by considering the project specification and IFC drawing for Main/MEP Contractors. So, consultants/contractors can concentrate fully in installation part and finalizing new assignments (project) without spending more resource and effort on their contextual part of work.

Having Working with a client oriented approach and striving for flexibility and transparency, we have broadly delineated our outsourcing endeavors on the certain parameters such as.....

• Scope of Work
• Engagement Level
• Project Type
• Off-Shore Project Planning Methodology
• Analysis of the Project
• Project Execution
• Final Delivery
Our Quality Strategy:

We are committed to meet the customer expectations and exhibiting high ethical values, a sense of responsiveness and respect for individuals.

Strictly comply to the quality management system and ensure implementation is achieved by internal audit, management review, corrective and preventive actions.

Explore innovative way to satisfy the needs of our customers by upgrading ourselves to latest technological developments by means of continual training and developments.

Sculpt team members are enormously committed to do their best in respective areas.
Our Infrastructure:

SDCPL is located inside the city limit of Chennai further expanding back –end offices in Trichy – Tamil Nadu and elsewhere in the future,

Existing and continual development process.....
- Infrastructure to accommodate sufficient CAD draftsman with all support facilities.
- Listed hydraulic software solely used for mechanical systems.
- Client / Server setup with online power backup.
- Security system, firewall, hardware security for data protection.
- Online UPS and electrical back up for power supply.
- Employee benefit facilities like library, restroom, free transportation, etc.
- 24/7 internet leased lines from two major service providers.
- Excellent communication facilities for off-shore clients via email, chat, messengers, VOIP calls.
- Printers in the range of A4 to A0 size.

Our Advantage:

- 24/7 Internet and telephone facility in our Engineering Office.
- Well built infrastructure for engineering office.
- Experienced Engineer’s with enhanced field knowledge in Engineering and Design.
- Well Experienced Project Managers, Skilled Engineers and Technicians in Project Team to implement successful projects.
- Engineering Support to our client / end user with quick response to solve their queries.
- Proper documentation for our project work flow.
- Library housing the necessary technical codes & Standards (Hard / Soft) and reference books.
- Subscribed to leading technical journals & magazines.
CERTIFICATE

The Certification Body of TÜV SÜD South Asia Private Limited

certifies that

H.O & Unit 1: SCULPT DESIGN CONSULTANCY PRIVATE LIMITED
No. 226, Trunk Road, 1st Floor of SBI Building, Porur, Chennai - 600 116, Tamilnadu, INDIA

Unit 2: SCULPT DESIGN CONSULTANCY PRIVATE LIMITED
No. 379, Sri Sathyas Apts, Unit C & D, Rajaram Road, K.K.Nagar, Trichy - 620 021, Tamilnadu, INDIA

has established
and applies a Quality Management System for
Providing consultancy, Design & Detailed engineering services for
MEP, Fire Protection System, Storage tank, Pressure Vessels and
Structural Engineering including CAD Services

An audit was performed, Report No. 20061043

Proof has been furnished that the requirements according to
ISO 9001 : 2008
are fulfilled. The certificate is Valid until 2016-11-14
Subject to successful completion of the Annual Audit before 2014-10-03.
The present status of this Certificate can be obtained on www.tuv-sud.in
Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2008 requirements may be obtained by consulting the certification body.

Certificate Registration No. 99 100 14858
Mumbai,

Effective Date: 2013-11-15

TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Saki Naka • Andheri (East) • Mumbai – 400072 • Maharashtra • India
**MAJOR PROJECTS:**

**Project Name:** Saint Gobain India Pvt Ltd  
**Description:** Glass Manufacturing factory  
**Location:** Pune, India  
**Services:** Fire Fighting & Fire alarm system

**Project Name:** Proposed Expansion of Factory for MRF Limited  
**Description:** Tyre Manufacturing Factory  
**Location:** Pondicherry, India  
**Services:** Engineering Consultancy of HVAC, RO, Steam, Utility & Fire Protection System.

**Project Name:** GE ITC  
**Description:** Commercial Towers  
**Location:** Bangalore  
**Services:** Detailed Engineering Services of HVAC System

**Project Name:** Transport corporation of India  
**Description:** Ware house Building for handling Port Products  
**Location:** Chennai, India  
**Services:** Engineering Consultancy of MEP System
<table>
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<th>Project Name</th>
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<th>Location</th>
<th>Services</th>
</tr>
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<tbody>
<tr>
<td>MSGI India Pvt. Ltd.</td>
<td>Automotive Industries</td>
<td>Chennai, India</td>
<td>Detail Engineering of MEP System</td>
</tr>
<tr>
<td>Proposed factory and Admin Bldg. for M/s. Lear Automotive India Pvt. Ltd.</td>
<td>Automotive Seat Assembly Factory</td>
<td>Chennai &amp; Pune, India</td>
<td>Engineering Consultancy of Utility Piping &amp; Fire Protection System</td>
</tr>
<tr>
<td>Samsung India Pvt Ltd.</td>
<td>Proposed Expansion of VD &amp; AC Building</td>
<td>Chennai, India</td>
<td>Detailed Engineering Services of Mechanical system (HVAC, Plumbing, Fire Protection and Utility system)</td>
</tr>
<tr>
<td>Hambanthota International Airport Maththala</td>
<td>Aviation Fuel Farm</td>
<td>Sri Lanka</td>
<td>Design and Detail Engineering of Fire Protection System</td>
</tr>
</tbody>
</table>
### Major Projects:

<table>
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<tr>
<th>Project Name</th>
<th>Description</th>
<th>Location</th>
<th>Services</th>
</tr>
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<tbody>
<tr>
<td><strong>ORPIC’s new terminal facilities</strong></td>
<td>Oil Terminal</td>
<td>Sultanate of Oman</td>
<td>Feed of Fire Protection Design and ROP Approval</td>
</tr>
<tr>
<td><strong>Joint Industries Fuel Farm (JIFF) - Phase 3 expansion</strong></td>
<td>Fuel Storage Tank Farm</td>
<td>UAE</td>
<td>Design review &amp; verification of fire fighting &amp; detection system</td>
</tr>
<tr>
<td><strong>Garraf Field Development Project</strong></td>
<td>Fuel Storage Tank Farm</td>
<td>Iraq</td>
<td>Design &amp; detail Engineering for water spray &amp; foam system</td>
</tr>
<tr>
<td><strong>Daleel Petroleum</strong></td>
<td>Petroleum process &amp; refinery plant</td>
<td>Sultanate of Oman</td>
<td>Fire fighting system</td>
</tr>
</tbody>
</table>
### MAJOR PROJECTS:

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<tr>
<td>Oman Oil Marketing Company</td>
<td>Fuel Storage Tank Farm</td>
<td>Sultanate of Oman</td>
<td>Feed &amp; Preparation of EPC scope of work documents for Fire Protection system</td>
</tr>
<tr>
<td>Deep Oil Conversion Complex of Atyrau Refinery</td>
<td>Sulphur Recovery Unit</td>
<td>Atyrau, Kazakhstan</td>
<td>Fire Fighting System, Fire &amp; Gas Detection System, Fire &amp; Gas Risk Analysis with 2D &amp; 3D Mapping</td>
</tr>
<tr>
<td>METS Tank Farm Phase 1</td>
<td>Tank Farm for Various Hazardous Product</td>
<td>Fujairah, UAE</td>
<td>Design and Detail Engineering of HVAC, Process Piping &amp; Fire Protection System</td>
</tr>
</tbody>
</table>


### Project Name: **Mohammed Waa Qaboos Abdullah Bin Mohammed Al Khonji**

**Description:** New Residential Complex

**Location:** OMAN

**Services:** HVAC

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### Project Name: **New Residential Complex – Rimal II**

**Description:** Residential with Commercial Complex

**Location:** Muscat, OMAN

**Services:** Fire Alarm & Detection System, Fire Protection System

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### Project Name: **3 x 16.5 MW Co-gen Power Plant**

**Description:** Co-gen Power Plant

**Location:** Kingdom Saudi Arabia

**Services:** Design and Detail Engineering Services of HVAC & Fire Protection System

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### Project Name: **Ministry of Higher Education.**

**Description:** Auditorium

**Location:** Salalah, Sultanate of Oman

**Services:** Feed of Fire Protection system
**MAJOR PROJECTS:**

<table>
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<tr>
<th>Project Name</th>
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<th>Location</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>B+G+7 Residential Bldg.</td>
<td>Residential Building</td>
<td>Doha, Qatar</td>
<td>Detail Engineering of MEP System</td>
</tr>
<tr>
<td>B+G+2 office building</td>
<td>Residential Building</td>
<td>Bin Omran, Qatar</td>
<td>Detail Engineering of MEP System</td>
</tr>
</tbody>
</table>
MAJOR CLIENT LIST:

- Hitachi
- OMANOIL
- Samsung
- Valdel
- MRF
- Oxy
- GE
- Tebodin
- Citec
- Mott MacDonald
- Saint-Gobain
- Daleel Petroleum L.L.C.
MAJOR CLIENT LIST:

- Sona
- Lear Corporation
- Mmpolytech
- House of Naga
- Ultimate
- Access
- Apollo
- Tectyl
- Hyoseong Precision Co., Ltd.
- Advanced Safety Solutions
- Jayam Consultants Privt Limited
INDIA: SCULPT DESIGN CONSULTANCY PVT. LTD.

REGISTERED OFFICE: Block – B, 2nd floor, B6, Plot No. 67,68 and 69, Samayapuram 2nd street, Karambakkam, Porur, Chennai – 600116.
T: +91 44 6582 5282 | M: +91 87545 81790

CORPORATE OFFICE: No. 379, 1st Floor of City Union Bank Bldg., Rajaram Salai, K.K.Nagar, Trichy – 620021.
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