



Triveni Trunkey Solutions LLP

We make your project successful!



- Trunkey HVAC with BMS/EMS System
- Modular clean room system
- Clean room equipments
- Electricals & Instrumentation
- Mechanical piping and utilities
- Validation services



About Triveni:

We are proud to be company ISO 9001:2001 certified founded by a team of experienced professionals with a passion for delivering high-quality affordable solutions. 'Triveni' has cultivated an indepth understanding and expertise in executing turnkey Projects.



We offer flexible and affordable solutions with our complete in-house engineering, design, and manufacturing capabilities all conducted under an ISO 9001:2015 Quality Assurance system.

Triveni's client centric sensibilities and in-house facility for HVAC, Modular Clean rooms, Electricals, Building Management system and Environmental monitoring system enable it to dole out integrated turnkey solutions & environments that cater to specific needs. Thus, Triveni Trunkey Solutions is considered as a preferred partner for providing Affordable Technical Engineering Solutions.



Vision:

To emerge as Trusted provider of Affordable Technical Engineering Solutions.

Mission:

To emerge as Trusted provider of Affordable Technical Engineering Solutions. Our mission is to consistently surpass customer expectations by providing exceptional products and services of unparalleled quality. We strive to be recognized as the benchmark in our industry, relentlessly pursuing excellence in all aspects of our operations. To achive success by fostering strong and trustworthy relationships with our stakeholders, including our customers, partners, and the environment. To conduct our business with unwavering integrity, ensuring sustainable practices that contribute to the well-being of our surroundings.



HVAC & AIR HANDLING SYSTEMS:

Heating, Ventilation and air-conditioning (HVAC) play an important role in the manufacturing of quality pharmaceutical products and the design of the HVAC system should be considered at the concept stage of pharmaceutical plant. The HVAC system supplies conditioned air to converted areas of indoor surroundings to stimulate and maintain required: **Temperature - Humidity - Pressure - Air-purity - Cross Contamination.**

With our in-house design and engineering teams, we meet strict requirements with respect to:

USFDA 209E, EU-cGMP, UK-MHRA, TGA, cGMP/WHO Standards

AIR HANDLING UNIT

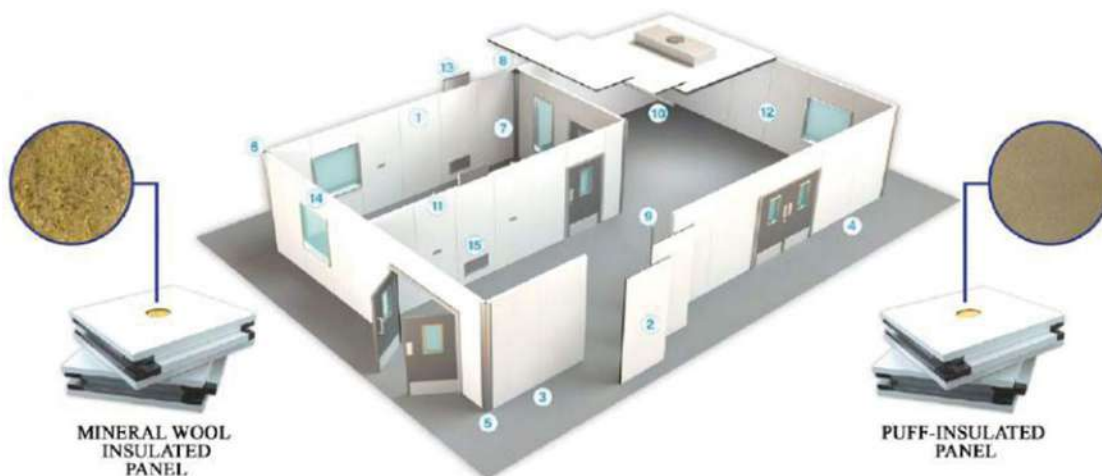


AHU FEATURES :

- Capacity - 700 CFM - 80000 CFM.
- Static Pressure - 25 mmwg - 250 mmwg.
- Body — PPGI / PCGI / S.S 304 / S.S 316 / Al. Powder Coated for Inner & Outer Panel skin.
- Insulation — PUF / Rockwool / PIR.
- Structure — Thermal / Non-Thermal Break Profile in 25mm / 50mm thickness.
- The Internal components of all Triveni AHU's (Blower-Motor support rails, Filter frame, Coil & Blower blank covers, Collar for damper, etc) shall be Powder Coated / Painted along with Red Oxide for Rust Prevention and enhanced durability.
- Stringent factory (citing & thorough internal inspection is conducted for all Triveni AHU's against Air / Water leakages along with performance orientated parameters like Air Flow, Velocity, pressure loss, noise level, etc prior to dispatch.
- Triveni offers Annual Maintenance Services as well.

MODULAR CLEAN ROOM SYSTEM :

Triveni's Modular clean room systems interface with floors, ceilings, and mechanical components to provide an ultra-clean environment with effective control of airflow, pressure, temperature, humidity and filtration. They can be customized to match specific requirements and provide a cost-effective alternative to conventional construction without compromising on quality, durability and efficiency. Modular clean rooms also utilize a flexible design that allows for fast and easy installation in a system that can be expanded or relocated as need be.



MINERAL WOOL INSULATED PANEL

PUFF-INSULATED PANEL



CLEANROOM PANELS FEATURES :

- Type - Progressive / Non-Progressive
- MOC - PPGI / SS304 / SS316L / HPL
- Infill Material - PUF / Mineral Wool
- Thickness - 35mm / 50mm / 60mm / 80mm / 100mm
- Panel Peripheral profile - G.I / P.C.G.I / Aluminium

- Maximum Panel Dimensions - 1200mm (W) X 5000mm (H)
- Compressive Strength - 2.1 Kg/cm² (At 10% Deformation)
- Tensile Strength - 4.1 Kg/cm²
- Closed Cell Content - 90 - 95 %
- Inbuilt Riser - 80mm / 100mm

MODULAR CLEAN ROOM DOORS :

Triveni's Clean Room doors are manufactured from galvanized/stainless steel sheets with lock formed edges. Insulated and bonded with polyurethane foam, honeycomb paper or mineral wool forming a rigid flush fitting with innovative flush double glazed finished in pure polyester powder coating of 60-80 microns forming a smooth surface.



DOUBLE LEAF DOOR



EMERGENCY DOOR



SINGLE LEAF DOOR

1
DOOR CLOSER



2
HINGES



3
LOCK



4
HANDLE



5
KICK PLATE



6
INTERIOR DROP SEAL



7
EXTERIOR DROP SEAL



8
PANIC BAR



9
VIEW GLASS



10
TOWER BOLT



11
GASKET



12
HARDWARE



13
PUSH PLATE



14
ELECTRICAL STRIKE



15
ELECTRICAL HINGES



SINGLE DOOR & DOUBLE DOOR ::

- MOC : PPGI / SS304 / SS316L / HPL
- Infill Material - PUFF / Mineral Wool / Honeycomb
- Frame & Shutter - P.C.G.I / Aluminium
- Type - Manual Swing / Manual Slide
- Colour - Powder Coated (Customised as per requirement)

- Door Frame Thickness - 50mm / 60mm / 80mm / 100mm
- Single Leaf Door Width - 600mm to 1200 mm
- Double Leaf Door Width - 1200mm to 2400mm
- Maximum Door Height - 2500mm

ELECTRICAL POWER AND CONTROL SYSTEMS :

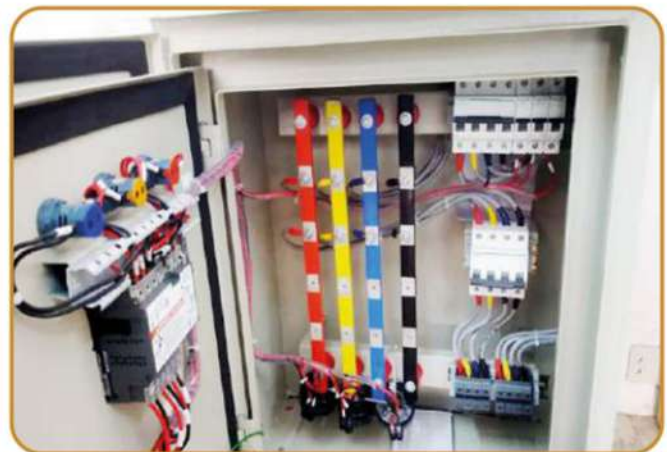
Triveni provides integrated electrical solutions to ensure uninterrupted operations of the facility with complete design, supply, installation & commissioning of Electricals & Instrumentations for pharmaceutical / healthcare plants.

Electrical distribution scheme is designed after understanding the client's requirement with complete accounting of electrical power requirements for different processes and equipments.

- ➔ Our electrical bandwidth includes :
- ➔ Power distribution work: high, medium and low voltages — HT/LT
- ➔ Main & Sub Main Distribution Boards
- ➔ Auto Power Factor Correction Panel (APFC Panel)
- ➔ Generator systems & Uninterruptable Power Source (UPS)
- ➔ Motor control systems: across-the-line starters, soft-starts, VFDs
- ➔ Busway and Busbar Systems for electrical power distribution
- ➔ Cable design and routing, Cable Tray & Trunking Systems, Earthing
- ➔ Lightings — Clean Room Fixtures, Street Lighting, Flood Lighting
- ➔ Single / Three Phase Switch / Sockets in SS Flush Fittings for Clean Room
- ➔ Data/communication & intercom services



Electrical Panel



Electrical Panel



Bus Duct



Cable / Cable Trays

CLEAN ROOM FINISHES:

Triveni provides premium hygienic flooring solutions that are vital for achieving high quality production process and to withstand the severe cleaning regiments typical in pharmaceutical manufacturing.



Epoxy Flooring



PU Flooring



PVC Vinyl Flooring

MECHANICAL PIPING AND UTILITIES:



SMOKE DETECTION & FIRE ALARM SYSTEM :

Smoke Detection & Fire Alarm System is the most important and essential part of any Clean Room facility with safety concerns of any kind. The Fire Alarm System is integrated with Fire Suppression System, HVAC and Security Systems to ensure safety of the plant in case of fire. Airtech provides smoke detectors flushed with Clean Rooms and state-of-the-art addressable type Fire Alarm Panels which monitor and control the capabilities of each alarm; initiating and signalling the device through microprocessors and system software.

CLEAN ROOM LIGHT FIXTURES :

Top Openable / Bottom Openable Clean Room LED / CFL Light Fixtures:

- ➔ Available in various sizes and wattage. Excellent functional Clean Room performance
- ➔ Maintenance Free Operation, Low Operational Cost, Excellent Return on Investment
- ➔ Powder Coated Steel / Stainless Steel finish available providing corrosion, dust and water resistant fixtures.
- ➔ Flameproof options available





Triveni Turnkey Solutions LLP

 **Certificate**

This is to Certify that

TRIVENI TRUNKEY SOLUTIONS LLP

Regd. Office:- Chapaldhara, Dugri Faliya
Ta. Vandsa, Navsari - 396570, Gujarat, India

Corp. Office:- E 302, Ashok Nagar, Vazira Naka, L. T. Road,
Borivali (W), Mumbai - 400092, Maharashtra, India



has been found in Compliance with requirements of
Quality Management System
ISO 9001:2015
for the following scope:

Technical Engineering Solutions,
Regulatory Solutions, Business Solutions

Certificate No. : QMS/2A4F/0723
Original Certificate Date: 13-July-2023
Issue Date : 13-July-2023
Expiry Date : 12-July-2026

To check this certificate status visit:
"http://uasi.uk.com/certifedorganization"


Quality Control Certification
UK Office: 82, ADLEY STREET,
LONDON - E5 0DZ, United Kingdom
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India

"Quality Control Certification (QCC)" accredited by "UASL, England, UK". This certificate remains the property of "QCC" to whom it must be returned on request.

CERTIFICATE NO:
DIPP139536

 #startupindia

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

CERTIFICATE OF RECOGNITION

This is to certify that **TRIVENI TRUNKEY SOLUTIONS LLP** incorporated as a **Limited Liability Partnership** on **03-07-2023**, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Healthcare & Lifesciences' Industry and 'Pharmaceutical' sector as self-certified by them.

This certificate shall only be valid for the Entity up to Ten years from the date of its incorporation only if its turnover for any of the financial years has not exceeded ₹ 100 Cr.

20-07-2023 02-07-2033
DATE OF ISSUE VALID UPTO



Main Office:
503, Prabhakunj Heights, Opposite ICICI
Bank, Station Road, Navsari- 396445,
Gujarat (India)
Corporate Office:
E-302, Ashok Nagar, Vazira Naka, L.T. Road,
Borivali (West), Mumbai-400092,
Maharashtra (India)



Factory:
Gala No. 05, Faizan
Compound,
Ayyappa Mandir Marg, Opp.
Ranuja Metal,
Kherani Road, Sakinaka,
Mumbai-400072,
Maharashtra (India)



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