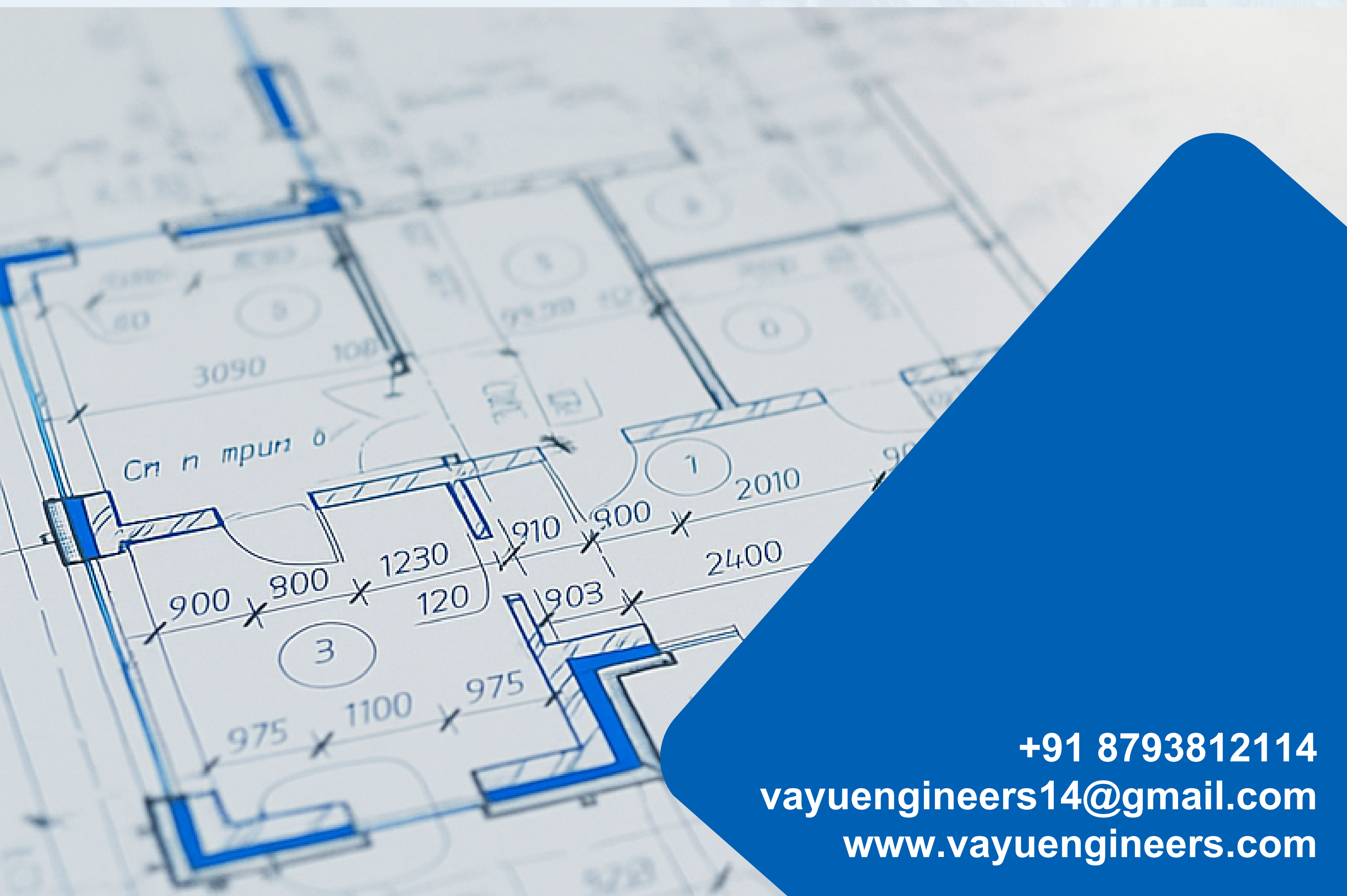




VAYU ENGINEERS

ENGINEERS OF AIR. ARCHITECTS OF CLEAN ENVIRONMENTS



+91 8793812114
vayuengineers14@gmail.com
www.vayuengineers.com



ABOUT US

AIR IS INVISIBLE. BUT ITS QUALITY DEFINES EVERYTHING ABOUT YOUR PRODUCT, YOUR PROCESS & YOUR PEOPLE.

AT VAYU ENGINEERS, WE ENGINEER THE UNSEEN. FROM CLIMATE-CONTROLLED CLEANROOMS TO ZERO-DUST FACTORY ZONES, WE CRAFT HIGH-PERFORMANCE ENVIRONMENTS WHERE AIR ISN'T JUST PRESENT IT'S PURIFIED, PRESSURIZED, PRECISION-CONTROLLED.

WE ARE NOT JUST SERVICE PROVIDERS. WE ARE PROBLEM SOLVERS, SYSTEM THINKERS, AND AIRFLOW ARTISTS.

OUR STRENGTH LIES IN FOUR CORE DOMAINS

HVAC SYSTEM

CLEANROOM SOLUTIONS

CLEANROOM EQUIPMENT

AIR POLLUTION CONTROL

HVAC SYSTEM



CLEANROOM SOLUTION



CLEANROOM EQUIPMENT



AIR POLLUTION CONTROL



HVAC SYSTEM

WE PROVIDE END-TO-END HVAC SYSTEM DESIGN, EXECUTION, AND MAINTENANCE SERVICES TAILORED TO MEET THE STRINGENT DEMANDS OF VARIOUS INDUSTRIES. OUR GOAL IS TO DELIVER ENERGY-EFFICIENT, COMPLIANT, AND RELIABLE HVAC SOLUTIONS THAT ENSURE OPERATIONAL EXCELLENCE AND INDOOR AIR QUALITY.

KEY HVAC COMPONENTS :

- CHILLERS (AIR-COOLED & WATER-COOLED)
- AIR HANDLING UNITS (AHUs)
- HVAC DUCTING & AIR DISTRIBUTION SYSTEMS
- HEPA, PRE & FINE FILTERS FOR CLEAN AIR DELIVERY
- FRESH AIR & EXHAUST SYSTEMS
- PRECISION TEMPERATURE & HUMIDITY CONTROL
- CLEANROOM-COMPATIBLE HVAC SYSTEMS
- DEHUMIDIFICATION SYSTEMS
- VARIABLE AIR VOLUME (VAV) SYSTEMS
- DX UNITS & VRF/VRV SYSTEMS
- AIR CURTAINS, COOLING COILS, & INSULATED DUCTS
- ENERGY RECOVERY VENTILATORS (ERVs)
- EC FANS & ENERGY-EFFICIENT MOTOR INTEGRATION

OUR SERVICES INCLUDE:

- DESIGN & ENGINEERING
- SYSTEM INSTALLATION & COMMISSIONING
- RETROFIT & UPGRADATION OF EXISTING SYSTEMS
- ANNUAL MAINTENANCE CONTRACTS (AMC)
- AUTOMATION & CONTROL INTEGRATION (BMS, SCADA)
- CLEANROOM HVAC SOLUTIONS (ISO CLASS 5 TO 9)
- VALIDATION, BALANCING, AND PERFORMANCE TESTING
- UTILITY PIPING FOR HVAC & PROCESS APPLICATIONS

SERVICE HIGHLIGHTS :

SERVICE	KEY OFFERING	BENEFITS
DESIGN & ENGINEERING	LOAD CALCULATIONS,RDS,ETC	OPTIMIZED SYSTEM PERFORMANCE & EFFICIENCY
SYSTEM IMPLEMENTATION	INSTALLATION & COMMISSIONING	SEAMLESS INTEGRATION & OPERATIONAL READINESS
MAINTENANCE & UPGRADES	RETROFIT, UPGRADATION, AMC	EXTENDED SYSTEM LIFESPAN & PEAK PERFORMANCE
ADVANCED CONTROL	BMS, PLC HMI INTEGRATION	ENHANCED CONTROL & ENERGY MANAGEMENT
SPECIALIZED SOLUTIONS	CLEANROOM HVAC (ISO CLASS 5-8)	COMPLIANCE WITH STRINGENT AIR QUALITY STANDARDS

We don't just cool spaces. We control microclimates.



CLEANROOM SOLUTION

WE PROVIDE TURNKEY CLEANROOM DESIGN AND CONSTRUCTION SERVICES THAT STRICTLY COMPLY WITH ISO 14644, GMP (GOOD MANUFACTURING PRACTICES), AS WELL AS OTHER GLOBAL STANDARDS SUCH AS EU cGMP, US FDA, WHO TRS, AND ISO 13485 FOR MEDICAL DEVICES. FROM MODULAR ARCHITECTURE TO INTEGRATED SERVICES, OUR CLEANROOMS ARE ENGINEERED TO SUPPORT CONTAMINATION-FREE OPERATIONS—ESSENTIAL IN HIGHLY REGULATED AND SENSITIVE INDUSTRIES.

MODULAR CLEANROOM
PANELLING SYSTEMS

- INFILL TYPE
- PUF
- ROCKWOOL
- PIR

- SKIN TYPE
- PPGI
- PCGI
- SS 304/316

MODULAR CLEANROOM
DOORS

- INFILL TYPE
- PUF
- ROCKWOOL
- PIR

- SKIN TYPE
- PCGI
- SS 304/316

MODULAR
CLEANROOM RISER WITH
PERFORATED GRILL,
DAMPER & FILTER

- TYPE
- INBUILD
- EXPOSED
- INSULATED

- SKIN TYPE
- PPGI
- PCGI
- SS 304/316

OTHER CLEANROOM
ACCESORIES

- INTERNAL &
EXTERNAL COVING
- LED / CFL
LIGHTS
- FLOORING

- INBUILD CONDUITS
- PENETRATIONS FOR
UTILITIES
- WALL GAURDS



CLEANROOM EQUIPMENTS

NO CLEANROOM IS COMPLETE WITHOUT PRECISION-ENGINEERED EQUIPMENT DESIGNED TO UPHOLD HYGIENE, SAFETY, AND EFFICIENCY. AT VAYU ENGINEERS WE SPECIALIZE IN THE DESIGN AND FABRICATION OF CUSTOM CLEANROOM EQUIPMENT THAT MEETS THE HIGHEST STANDARDS OF CGMP AND ISO COMPLIANCE.

OUR SOLUTIONS ARE NOT ONLY BUILT FOR PERFORMANCE BUT ALSO ENGINEERED FOR ERGONOMICS, DURABILITY, AND OPERATIONAL RELIABILITY IN CONTROLLED ENVIRONMENTS.

STATIC & DYNAMIC
PASSBOX

SECURE AND CONTAMINATION-FREE
MATERIAL TRANSFER

LAMINAR AIRFLOW
UNITS (LAF)

DELIVERING UNIDIRECTIONAL AIRFLOW FOR
STERILE OPERATIONS

REVERSE LAMINAR
AIRFLOW UNITS (RLAF)

MINIMIZED CONTAMINATION DURING
MATERIAL HANDLING

AIR SHOWERS

HIGH-VELOCITY AIR JETS FOR PERSONNEL
DECONTAMINATION BEFORE ENTRY

CROSS OVER BENCHES

HYGIENIC TRANSITION ZONES FOR
PERSONNEL MOVEMENT

GARMENT STORAGE
CABINETS

HYGIENIC TRANSITION ZONES FOR
PERSONNEL MOVEMENT

OTHERS

AIR CURTAINS
CLEANROOM TROLLEYS
CLEANROOM FURNITURE (SS304/316)

AIR POLLUTION CONTROL

WE HELP INDUSTRIES MINIMIZE EMISSIONS, DUST, PARTICULATES AND MAXIMIZE SUSTAINABILITY THROUGH ROBUST, HIGH-EFFICIENCY POLLUTION CONTROL SYSTEMS. OUR SOLUTIONS ARE DESIGNED TO MEET STRINGENT ENVIRONMENTAL NORMS WHILE PROMOTING SAFER, CLEANER WORKPLACES.

DUST COLLECTION SYSTEMS - FILTER BAG & CYCLONE TYPE

WET SCRUBBER - VENTURI & PACKED BED TYPE

FUMES & VOC EXTRACTION SYSTEM

INDUSTRIAL EXHAUST & VENTILATION SYSTEMS

STACK DESIGN & DUCTING SOLUTIONS

Clean handling isn't optional. It's engineered into every detail.



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**637/1, Pandharpur, Waluj MIDC, Chh. Sambhajinagar-431136,
Maharashtra**

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