

HVAC Consultancy Services

Consultant & Contractor



KEY FEATURES OF OUR SERVICES:

we provide expert HVAC Consultancy Services tailored to meet the demands of industrial, commercial, pharmaceutical, and cleanroom environments. Our team of skilled engineers ensures that your HVAC systems are designed, optimized, and implemented for maximum energy efficiency, air quality, and regulatory compliance.

1. HVAC SYSTEM DESIGN & ENGINEERING

- ✓ Customized HVAC system planning based on project-specific requirements
- ✓ Load calculations and energy efficiency analysis for cost-effective solutions
- ✓ CFD analysis for optimized airflow distribution and thermal performance
- ✓ HVAC design for controlled environments such as pharmaceutical cleanrooms and laboratories

2. DUCT DESIGN & LAYOUT PLANNING

- ✓ Detailed ductwork routing and pressure loss analysis
- ✓ Selection of duct materials and insulation for energy efficiency
- ✓ Air balancing and velocity calculations to ensure uniform airflow distribution
- ✓ Integration of HEPA and ULPA filters for contamination control

3. CLEANROOM HVAC SOLUTIONS

- ✓ HVAC design for pharmaceutical, biotech, and electronics cleanrooms
- ✓ Air change rate (ACH) calculation and temperature/humidity control
- ✓ Compliance with ISO 14644, GMP, and FDA guidelines
- ✓ Laminar airflow system and pressurization control design

4. HVAC INSTALLATION & COMMISSIONING SUPPORT

- ✓ Supervision and validation of HVAC system installation
- ✓ Performance testing, balancing, and verification
- ✓ Troubleshooting and fine-tuning for peak efficiency
- ✓ Documentation and compliance certification for regulatory approvals

5. HVAC RETROFITTING & UPGRADES

- ✓ Energy audits and efficiency improvement solutions
- ✓ Replacement of outdated HVAC systems with high-performance alternatives
- ✓ Optimization of chiller, AHU, and VRF systems for reduced energy consumption
- ✓ Smart HVAC integration with IoT-based control systems

INDUSTRIES WE SERVE:

- ✓ Pharmaceutical & Cleanroom – Temperature, humidity, and air quality control solutions
- ✓ Healthcare & Hospitals – Infection control HVAC systems for sterile environments
- ✓ Food & Beverage Industry – Hygienic air handling and ventilation solutions
- ✓ Industrial & Manufacturing – HVAC solutions for heavy-duty industrial applications
- ✓ Commercial Buildings – HVAC systems for office spaces, malls, and hotels

WHY CHOOSE US?

- ✓ Industry Expertise – HVAC specialists with extensive industry knowledge
- ✓ Regulatory Compliance – ASHRAE, ISO, GMP, and FDA-compliant solutions
- ✓ Energy-Efficient Designs – Cost-saving, environmentally sustainable HVAC systems
- ✓ Advanced HVAC Modeling & Simulation – Ensuring precise airflow and system performance
- ✓ End-to-End Solutions – From design and consultation to installation and validation

Our HVAC Consultancy Services ensure that your facility operates with optimal climate control, energy efficiency, and regulatory compliance—enhancing comfort, productivity, and cost savings.

☎ Contact us today for expert HVAC consultancy solutions!

Adhynta Private Limited

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