



sustaining
global standards in
HVAC technologies



RELIABILITY • INNOVATION • CONSISTENCY • ETHICS



About Us



“Avant Garde” is one of the fastest growing engineering companies of India, offering total clean room facility solutions. The company is promoted by a team of professionals with an accumulated experience of four decades for facility solutions in Pharmaceutical, Biotech, Containment, Laboratories, Photo Voltiac, Electronics, Hospital Cleanrooms & other industries. Having successfully accomplished some of the very illustrious projects by providing application specific solutions to the industry, “Avant Garde” uses contemporary knowledge with emphasis on energy conservation.

The company undertakes turnkey facility projects and provides immaculate solutions from conceptualization to documentation for the industry, ensuring critical parameters viz. zero contamination, meeting stringent temperature / relative humidity conditions, maintaining pressure differentials, with a vision for an aesthetical and functional layout.

The company boasts diversified experience in various key industrial segments including Pharmaceuticals, Electronics, Hospitals, Food & Beverages, Automobile, Packaging & Warehouse, Flavour & Fragrances, etc.



The strength of the company lies in the ability & knowledge to translate user needs & deliver a well integrated seamless engineering installation for industry. It is Avant Garde's continuous endeavour to bring innovative new efficient technologies and products through our global partners and long association with this industry.

Not only do our teams have wide experience of working with variety of Pharmaceutical applications for end to end facility solutions viz. for Oncology, Vaccines, Hormones, Liquids Orals, Injectables - Vials / Ampoules, Life

Our Strength

Care Products, Parenterals - LVP, OSD - Tablets / Capsules, Ointments, API, Animal Houses, Bio Containment Facilities and Labs, we are equally well versed with intricacies of other industrial applications like Electronics - Photo Voltiac, Flavour & Fragrances, Food & Beverages, Nutraceuticals, Hospitals - OT, ICU, ICCU; Automobile/Ancillaries, Paint Shops, etc.

Best practices in project management, promptness in response and flexibility in operation ensure that most stringent timelines of project are met with finesse and world class installation is delivered.



India | Bangladesh
Nepal | Myanmar | UAE
Saudi Arabia | Jordan
Nigeria | Ethiopia | Algeria

Considerations in Clean Room Design

- Clean Room Classification
- Air Management
- Contamination Control
- Temperature / Humidity Control
- Pressure Level Monitoring
- Validation Protocols
- Life Cycle Support



Services & Solutions

Avant Garde offers complete solutions for HVAC, Internal Fabric, Electricals, Building Management System (BMS), LV Systems, Electricals & Illumination etc. with modern tools and equipments as per global standards and requirements of the industry. At Avant Garde, all services are well engineered and integrated with a critical analysis of capex /opex of all equipments, for the best spatial management. Starting from concept development, detailed design engineering, supply, installation, commissioning, validation & life cycle support, the company ensures “best economic value proposition” for the end users. With a keen eye on energy conservation, Avant Garde recommends and installs highly energy efficient products along with perfect equipment selection/plant design without compromising on the output and efficiency.

Avant Garde undertakes Design, Engineering, Detailed drawings, Supply,

Installation, Testing, Commissioning, Validation services and Life cycle support of various systems like :

- HVAC (Heating Ventilation & Air Conditioning) with special applications like Low temperature and humidity, ISO class 4-8 with pressure differentials as per cGMP/cGLP.
- Building Management / Environment Monitoring System, DDC/PLC, Controls - as per latest trends of the industry and in compliance with 21 CFR Part 11.
- Low Voltage Systems, Electricals and Illumination /Lighting.
- Modular Partitions with metallic / non metallic finishes.
- Special exhaust systems like L.E.V. (Localised Exhaust Ventilation), etc.
- ASRS /Tall Warehouse Ventilation.



Avant Garde has well documented systems & SOPs for various stages of the projects - design, engineering, Installation, FQPs etc. to take care of stringent documentation needs also - Design Qualification (DQ), Installation Qualification (IQ), Operation Qualification (OQ), Performance

Qualification (PQ), systematically & logically. Our in-house dedicated well equipped teams take care of validation services as per ISO 14644 or other relevant standards to meet the regulatory needs of USFDA or MHRA or MCC or as the case may be.

Validation

Accomplishing Excellence



Avant Garde boasts of a very professional & seasoned team who bring with them demonstrated hands on experience in setting up world class facilities. Some of the major projects completed by Avant Garde includes world class companies like Pfizer, Cipla, Zydus Cadila, B Braun, Sanofi Aventis, International Flavour & Fragrances, Canpack, Unichem, Herman Finchem, Ferring Laboratories, ACG Group, Indian Immunological Ltd., PAR, Intas, B.E., Glenmark, Wockhardt, Coke, Mc Cain Foods, Cadbury Ford, Woco and many more.

credentials of
 continuous
 pursuance towards
 success



Channel Partner

SIEMENS

Ingenuity for life



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