

CONSERVE **ENERGY** TO PRESERVE **FUTURE**



" Integrity | Client Focus | Collaboration | Sustainability "





ABOUT US

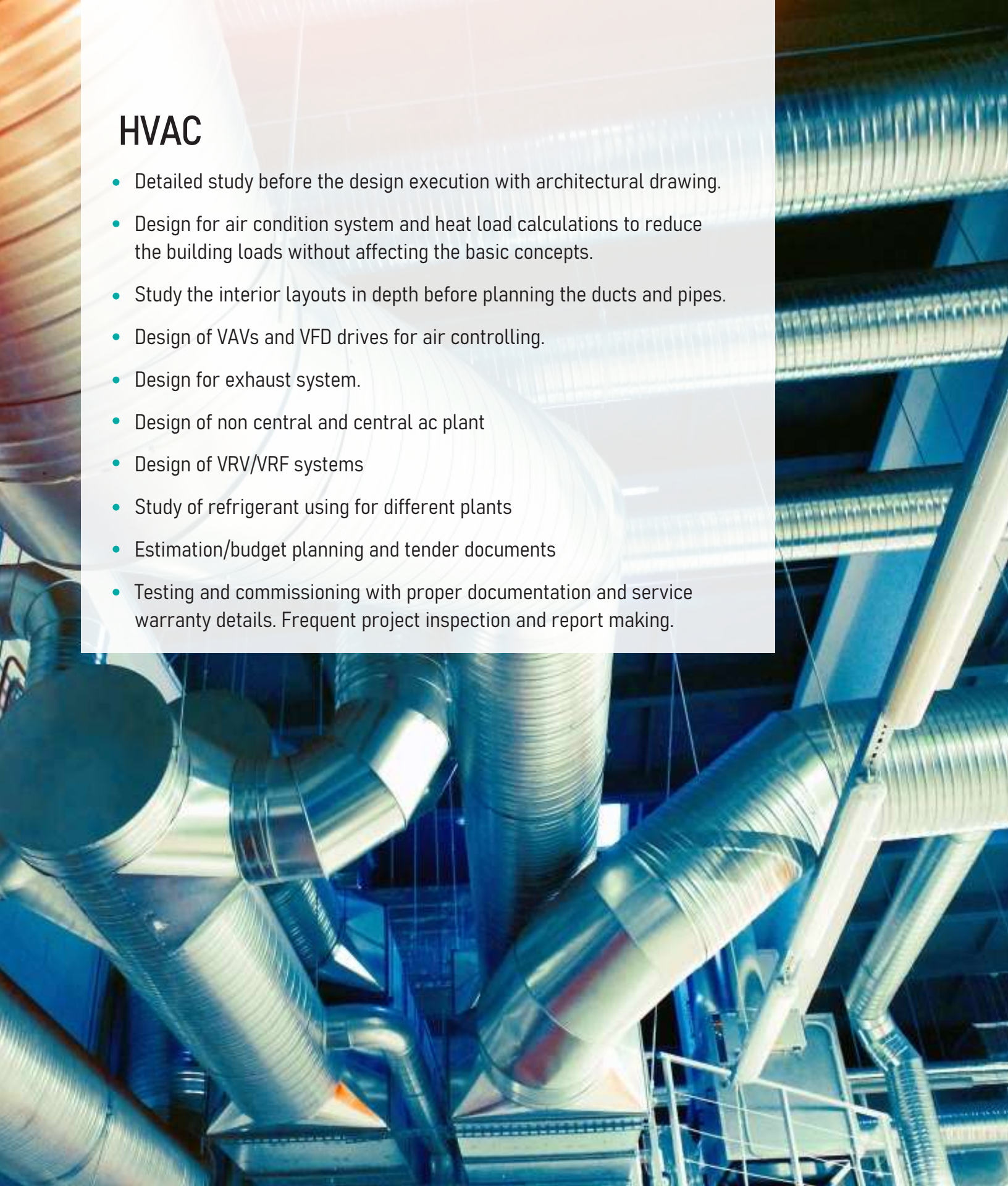
GENESIZ is an MEP & Systems Controls Engineering, Design and Consultation firm, established in 2007 for diverse range of segments include Commercial buildings, Residential building, Educational institutions, Offices, Agricultural buildings, Hospitals, Industrial, Transport buildings, Infrastructure, Government build-ings and more.

GENESIZ specializes in crafting the lives of structures and buildings by providing Mechanical, Electrical and plumbing (MEP) services to various segments of the construction industry. GENESIZ offer engineering designs to it the ever changing needs of our clients. We combine the technical expertise and experience necessary to produce quality and sustainable solutions by a team of engineers who have more than 10 years of experience and passionate about creating designs that are on the cutting- edge of technology utilizing the industry standard tools and software.



HVAC

- Detailed study before the design execution with architectural drawing.
- Design for air condition system and heat load calculations to reduce the building loads without affecting the basic concepts.
- Study the interior layouts in depth before planning the ducts and pipes.
- Design of VAVs and VFD drives for air controlling.
- Design for exhaust system.
- Design of non central and central ac plant
- Design of VRV/VRF systems
- Study of refrigerant using for different plants
- Estimation/budget planning and tender documents
- Testing and commissioning with proper documentation and service warranty details. Frequent project inspection and report making.



ELECTRICAL

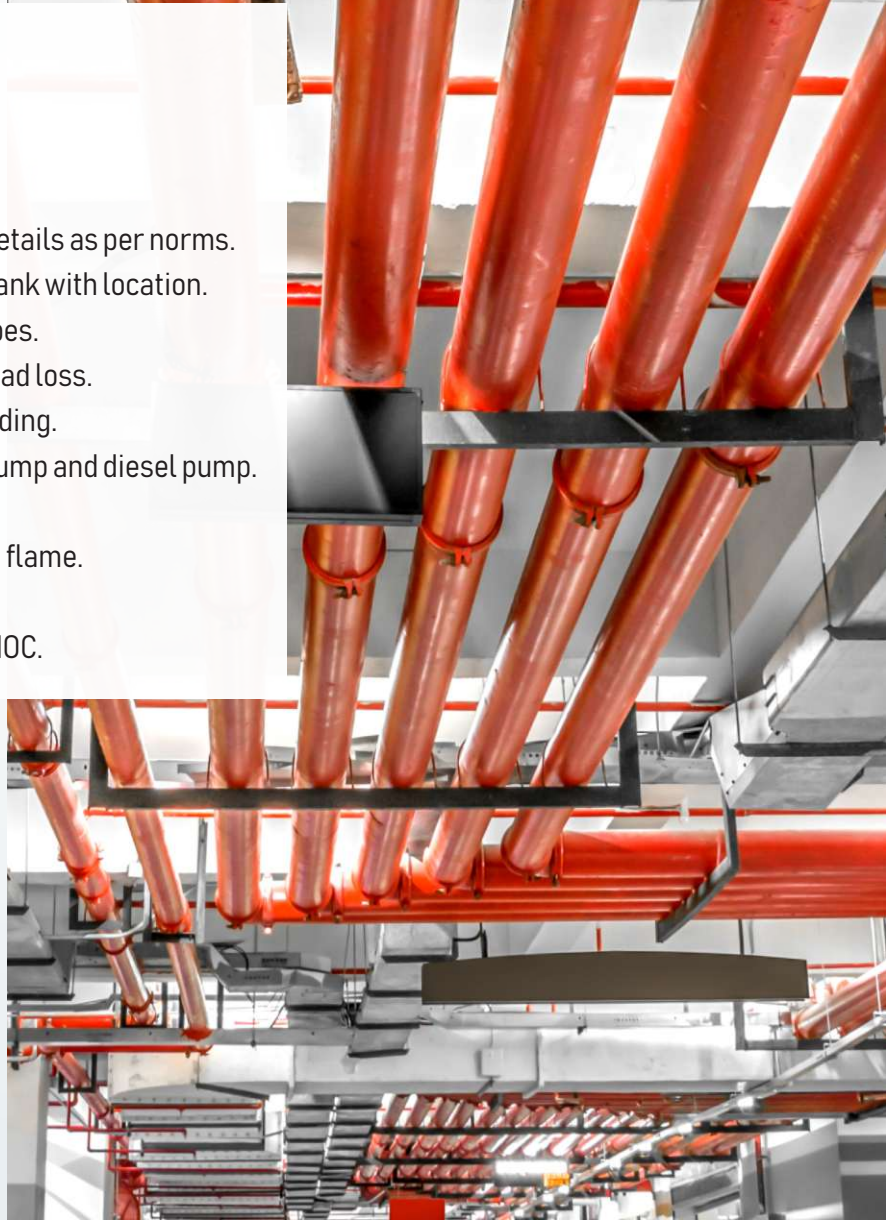
- Detailed project study before the design.
- Design of HT/LT power distribution.
- Design of electrical room with location of RMU, Transformers, Generators, Panels and cable ducts with size.
- Preparation of single line diagrams for Individual, Residential, Commercial and Hospitalized buildings.
- Selection and calculation of earthing according to the building.
- Description and design of solar power usages and solar invertors.
- Design of ups power for different areas.
- Lighting and power design based on energy saving mode.
- Emergency power backup design with AMF.
- Design of lightening protection and surge arrestors.
- Voice /data and LV system design and services.
- Design of integrated building management systems.
- Feasibility study.
- Energy management system.
- Estimation design budget planning and tender documents.
- Design of lifts and escalators for different type of buildings.
- Description and type of cameras and locations with all other instruments.
- TV/Telephone and net working wiring details with crone marking and cabling.
- Design of nurse call networking system for specialty hospitals.
- Design of hydro moving system for specialized buildings.
- Design of medical gas system for hospitals with plant room details.
- Testing and commissioning with proper documents.
- Coordination with local bodies for approvals and NOC.
- Frequent project inspection and making inspection reports.





FIRE FIGHTING

- Detailed design as per NBC and check list norms.
- Design of fire hydrant and plant rooms.
- Design of required size of fire duct and staircase details as per norms.
- Design and sizing of fire fighting sump, overhead tank with location.
- Detailed design and selection of sprinklers and pipes.
- Design of fire fighting hydraulic calculation and head loss.
- Design of pump head calculation for high-rise building.
- Classification and selection of main pump, jockey pump and diesel pump.
- Design of fire alarm system and fire control panel.
- Design of different type detectors heat/smoke and flame.
- Design of PA system for different zones.
- Coordination with local bodies for approvals and NOC.



PLUMBING

Services are rendered from conception to commissioning of each project, enabling the owner/ Architect/Planner to arrive at an optimum design and installation for the following

- Design water supply collection, pumping and piping distribution system
- Design hydro pneumatic system for distribution of treated water.
- Design storm water collection and disposal water system.
- Design rain water harvesting.
- Design central hot water generation & supply solar water heaters/ water generations.
- Design Domestic water softening and treatment plant.
- Design drainage collection disposal system.
- Design sewage treatment plant.
- Infrastructure consultancy system.



To become a leading MEP consulting company with global recognition for delivering innovative, aesthetic and effective design services for the Mechanical, Electrical and Plumbing Infra structural requirements.



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