



TOP EDGE INFRA
Construction Redefined





Top Edge Infra Pvt Ltd
Cold Storage Solution

TOP EDGE INFRA
CONSTRUCTION REDEFINED



**COLD ROOM , FREEZER ROOM,
BLAST FREEZER , RIPENING CHAMBER,
CLEAN ROOM AND REFRIGERATION
PRODUCTS DESIGN & MANUFACTURING**

TopEdge is promoted by first generation entrepreneurs. Our evolution from an entrepreneurial start-up in 2009 to a leading innovative research of refrigeration systems. In India is a story of steady growth by adapting to the dynamic business environment, without losing focus on our core domain of refrigeration systems.

We manufacture and implement technology solutions to improve cold room manufacturing for our clients productivity and efficiency and may run parts of their operations on their behalf. Ultimately, we enable our clients to become high performance businesses. Our constant endeavours to upgrade the technology in cold room manufacturing has helped us to provide world class cold rooms to suit Indian tropical climate at competitive price.

LIST OF MANUFACTURING PRODUCTS

- + **COLD ROOM**
- + **INDUSTRIAL COLD ROOM**
- + **MULTI COMMODITY COLD STORAGE**
- + **COLD CHAIN SOLUTIONS**
- + **CLEAN ROOMS**
- + **INDUSTRIAL CHILLERS**
- + **FREEZER ROOMS**
- + **PRE COOLERS**
- + **BLAST FREEZERS**
- + **PRE FABRICATED PUF PANELS**
- + **INCUBATION ROOM (HOT ROOM)**
- + **CONDENSING UNIT AND EVAPORATORS**
- + **RIPENING CHAMBER**



COLD ROOM

We TopEdge are majorly into design and construction of commercial cold rooms using modular assembly is one of our fields of expertise. We TopEdge are known domestically and internationally for the quality and scale of our cold rooms supply and installation. TopEdge have worked within every sector of industry that requires cold room or cold storage facilities including the food industries (Frozen foods like Meat, processed vegetables, preservation of fresh vegetables and fruits , sea food industry etc., Medical industries, research industry, etc...) We offer a wide range of German manufactured compressor for our refrigeration plant.



INDUSTRIAL COLD ROOM

TopEdge walk in Industrial cold room are constructed to withstand the rigors of extremely low temperature environments and are large enough to allow the user to walk into the Industrial cold room while providing a large storage area for accommodating a wide variety of storage items. TopEdge Industrial cold room manufactures constructed these cold room with self-supporting prefabricated panels and have a stainless steel construction. (According to Customized design)

MULTI COMMODITY COLD STORAGE

We TopEdge are holding rich experience in the domain of manufacturing multi-commodity cold storage . These type of multi commodity cold storage are used for storing different types fresh fruits and vegetables and other horticulture products which require pre-cooling or rapid room cooling to "seven-eight-cooling" in a short time period of 4 hours to 24 hours deepening on requirements in order to preserve there freshness, quality and self life. The "seven-eight-cooling " time is the time needed for the product temperature drop by "seven-eighths" of the difference between the initial product temperature at the time of loading and the temperature of the cooling air circulating in the cold rooms. Few of our significant industries where multi commodity cold storage are installed:

- + **Agriculture industry**
- + **Dairy industry**
- + **Horticulture industry**
- + **Frozen food industry**
- + **Medical industry**

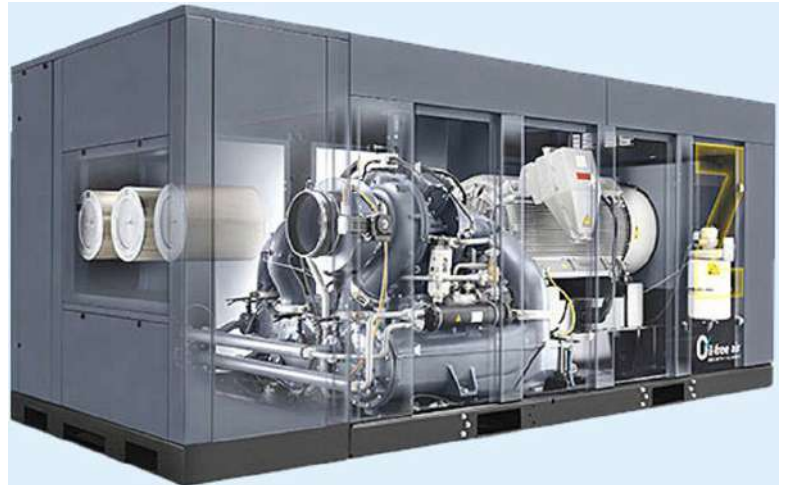


COLD CHAIN

TopEdge stands for entire cold chain solution , Pre-cooling chamber followed by cold storage and refrigeration vehicle transportation solutions. TopEdge cold chain solution products provide an end to end solutions for a sustainable in food industry, Agricultural industry , Medical industry etc... With an number of research across various application (Bakery, poultry, Dairy , Meat, seafood, Vegetables, fruits , Ice cream etc ...) and a service network in a Pan-India. TopEdge is fastest growing innovative Cold chain solution product company in India

Our products in cold chain solutions:

Pre-cooling chambers, Cold storage (Temperature and humidity controlled warehousing)
Ripening chambers, Logistics- Reefers Vans and Trucks.



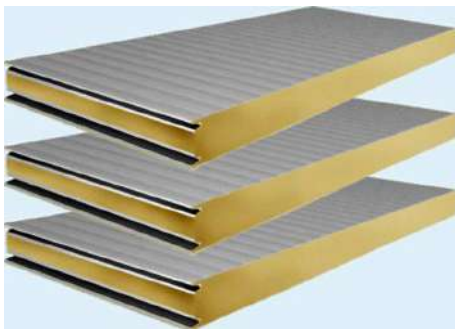
CLEAN ROOMS

We TopEdge is having rich experience in complete turnkey clean room solutions for Medical industry, Healthcare segments , Biotechnology and Human food processing plant (Such clients who produce vaccine) Clean room consist of bulk media preparation, Harvest concentration, Incubator room, wash room, change room and sealing room with different pressure. We TopEdge are more than seven years of experience in clean room solutions. Our main focus in design , engineering , supply and construction of ultra modern clean room facilities with class (Hundred, Thousand, Ten thousand and One lakh).



INDUSTRIAL CHILLERS

TopEdge is growing chiller room manufacturing company in India. Our product range has evolved to meet the needs of the market and also stay up to date with the latest innovative technology. We have our own high quality designing, manufacturing and distributing efficient products that are used across a number of industries by Air cooled and water cooled systems for both industrial and commercial applications, making us one of the most preferred chiller room manufacturers in India. For our chiller room manufacturing we are using imported compressor like (Bitzer, Danfoss, Copeland, Frascold) for air cool systems



FREEZER ROOMS

TopEdge is one of the leading company in manufacturing of freezer rooms all over India and Abroad. Offering a wide range of freezer rooms for commercial use. We supply to the various types of industries who are in need of a freezer room according to their customized design. We have our manufacturing plant in Temple City Madurai and Garden City Bangalore. TopEdge has to face up to multiple challenges. We manufacture freezer rooms always having an ongoing commitment to design and development for the customer's specifications.

PRE COOLERS:

TopEdge pre-cooler units are designed to handle the processing of freshly harvested vegetables and fruits day by day. We use German technology for our design and manufacturing of pre-coolers. We use innovative coil manufacturing technology for our pre-coolers. TopEdge pre-coolers are an essential element of any food processing industry, Dairy industry, Food preservation industry etc...



BLAST FREEZERS

Our manufacturing of Blast freezer is a method of freezer food product quickly to negative temperature that is relatively safe from bacterial growth, or micro organism, crystallization, cell structure damage and increasing the product shelf life. Our range of blast freezers are widely accepted for their reliable operation, energy efficiency and high durability standards. TopEdge are the market leader for higher range of Freon based blast freezers. These blast freezers are widely used in food industry for freezing the product at - 40 deg C temperature in short duration by using multi stage compressor

PRE FABRICATED PUF PANELS

Top Edge offer wide range of PUF insulated panels with Cam-lock systems for various applications such as cold storages, walk in cold room, Freezer room, Chiller room, prefabricated shelters, prefab houses and various industrial application roofing, partitions walls. These Puf panels comes with density of Puf range of 40 +/- 2 Kg/ M3 to 200 +/- 2 Kg/ M3 cladding are of PPGI both side, SS both side, PPGI/SS TopEdge offer the rang of thickness of panels as follows with various application option Portable cabins and partitions need of (30 MM to 50 MM thickness Puf panels, cabin temperature is suitable upto 25 Deg C to 15 Deg C)

- + **Flower, Fruits and vegetables storage room and processing units need of (60MM thickness panels Storage or processing unit temperature is suitable upto 2Deg C to 22Deg C)**
- + **Dairy product storage room need of (80MM thickness panels to 100MM thickness Storage temperature -10Deg C to 0 Deg C)**
- + **Frozen product storage need of (120MM thickness panels, Storage temperature -11Deg C to - 25deg C)**
- + **Blast freezer chamber need of (150MM thickness panels, storage temperature - 25Deg C to - 40deg C)**



INCUBATION ROOM (HOT ROOM)

TopEdge yogurt incubator are one of the finest quality milk processing equipment used prominently in food processing & dairy industries. Our Manufacturing of incubator is milk processing equipment used for speeding up the bacterial fermentation process of the milk which results in yogurt or dahi. Yogurt is further processed to make many other products like ghee, Shrikhand etc..
condensing unit and Evaporators

TopEdge are the manufacturer and suppliers of excellent quality of Condensing unit and evaporators. These Condensing units and evaporator are available in various specifications for maintaining different temperatures. Low temperature, Medium temperature and High temperature. This range includes a wide variety of both evaporating units and condensing units as per the specification cold room, freezer room, Blast freeze, Chiller room, pre cooler room etc... application. TopEdge are mainly into air-cooled condensing units in Freon based. Our condensing units are manufactured by using high grade materials.

TopEdge is an OEM manufacturer and supplier of condensing unit and evaporator. We offer a complete range of condensing systems with all types of compressors like Bitzer, Danfoss and Copeland

AFTER SALES SERVICE

Warranty after sales



We are giving warranty for one year with free of cost for the cold room, Freezer room, Blast freezer, Clean room and Ripening chamber. Repair/Replace components at free of cost when necessary within warranty period
Service after warranty

After warranty period we offer a range of maintenance contracts. We have more than twenty skilled technicians and forty skilled helpers to provide prompt service in pan India.



TECHNICAL SPECIFICATION OF TOP EDGE INFRA:

(Chiller room, Freezer room, Blastfreezer room and ripening chamber Condensing units)

+ Capacity: 1.2 KW to 28 KW

- Low energy consumption
- Compact dimensions
- Power source: V-Ph-Hz (220-1-50), (415-3-50) * (According to customized design)
- Sealed compressor for positive temperature * (According to customized design)
- Semi sealed compressor for negative temperature * (According to customized design)

Chiller room, Freezer room, Blast freezer room and ripening chamber Heat exchanger (Evaporator)

- Low energy consumption
- Compact dimension
- Power source: V-Ph-Hz (220-1-50), (415-3-50)
* (According to customized design)





Few of our major customers



Top Edge Infra Pvt Ltd

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 Karnataka