



Building Refrigeration Creating Future 

www.arcticrefrigerations.com

Vision:

To become leaders in cold chain refrigeration by providing highest quality of service and technologically advanced solutions to our Customers.

Mission:

We at Arctic Refrigeration are committed to deliver the best in class, end to end solutions for cold chain refrigeration. Our Passion is to transform and build 'Green Cold chain' networks, making it more efficient for both our customers and the community.

Company Profile:

Arctic Refrigeration is one of the fastest growing Indian company in the field of cold chain products and solutions. We provide cold storage solutions for all types of facilities including Multi Produce, Palletized, Pre-Cooling Rooms, Controlled Atmosphere (CA) Store, Banana Ripening Facility, Potato Cold Storage, Modular Cold Rooms, IQF, Blast Freezer, Ice Cream & Dairy products, large fruits and vegetables cold storage units and many other applications.

We undertake turnkey cold chain/cold storage projects including Refrigeration, Electrical, Insulation, Flooring, Prefab panels, Docking stations, Packing & Grading Line.

Our Expertise & Experience

We provide "End to End Integrated Cold Chain Solution", undertake Cold Storage Facility Projects such as Turnkey Construction, Cold Chain Refrigeration Systems, Consulting, Packing & Grading Line and quality monitoring solution for various application and segments.

Turnkey Solution

- ✍ End to end cold chain solution provider, covering all segments of cold chain refrigeration on turnkey basis.
- ✍ We do project consulting, conceptualization, planning, designing & budgeting and other customized solution as per project requirements and design.
- ✍ Supply, Installation, Testing & Commissioning of complete turnkey cold chain project which include Refrigeration Systems, PUF Panels, Doors, IQF, Blast Freezer, Spiral Freezer, CA (Control Atmosphere), Ripening System, Packing & Grading Line along with Electrical Systems.

Insulated Panels, Doors, Material Handling

- ✍ State of art production facility for PUF panels & Doors using premium quality of raw material.
- ✍ Cam lock with plungers embedded in foam guaranteeing consistency and reliability.
- ✍ Wider application in industry such as cold storage, pre fabricated shelters, prefab houses for building roofs and walls.
- ✍ Trade and supply of standard makes material handling equipment such as Reach Truck, Forklifts, etc.

Cold Storage Refrigeration, CA Store, Freon/Ammonia

- ✍ Prefab Panels, Automated/Manual Sliding/Swing Door, CA Doors, High CFM & Humidity Slim/Cubic type Indoor units, Industrial Evaporators/Systems, Racking, Sorting Grading & Washing line.
- ✍ Compressor Racks, Microprocessors Controllers, Condensing Units, Internal Racking/Mezzanine, Bins for Storage, Dock Levelers, Shelters and Overhead Sectional Doors.
- ✍ Solution based on Freon/Ammonia refrigerant.
- ✍ Controlled Atmosphere (CA) Store.

Processing IQF/Blast/Spiral Freezer

- ✍ We plan, develop the processing line with a custom solution as per product requirement.
- ✍ Supplying the food processing market with IQF (Individual Quick Freezer), Spiral Freezer, Freezer Drying and Blast Freezer resulting higher quality product.

Manufacturing Facility

Arctic has World Class Manufacturing Facility for manufacturing of insulated panels, doors and assembly of refrigeration units at RIICO Industrial Area, Khushkhera, Rajasthan.

We manufacture CFC free Cyclopentane based fireproof PIR insulated panels on high-pressure foaming machines satisfying international standards of Kyoto Protocols. We can manufacture a single panel of 12.5m height for insulation varying from 30mm to 200mm.

Our doors are manufactured using high class imported door accessories for various thickness as per application.



The refrigeration production set up includes sheet processing, sheering, bending, coil, and fin processing areas. We manufacture a world-class refrigeration system designed to work in high ambient conditions. All refrigeration system goes through various testing process before being installed at your place.

We have in house research and development team for continuous improvement and development of our product. They ensure the proper design of the system so that you can achieve desired temperature conditions with minimum power consumption.



CFC free
eco-friendly
PUF panels

Product Snapshot

Puf Panels



- ⊗ Design flexibility
- ⊗ 12.5m high single panel
- ⊗ 30mm to 200mm thick insulated PUF panels
- ⊗ High water & vapor Barrier
- ⊗ Easy erection & low maintenance
- ⊗ Excellent cam lock panel joining

Doors & CA Doors



- ⊗ PUF insulated door (60-150mm)
- ⊗ Cladding sheet both sides S.S 304/PCGI Sheet
- ⊗ Hinged/ Sliding/ Hatch/ Automated Vertical Sliding door
- ⊗ Robust door-post with flush threshold in thick isophthalic resin
- ⊗ Gas-tight sealing with neoprene rubber gaskets;
- ⊗ Eccentric action locking system for gas-tightness

Freon Refrigeration Units



- Evaporator
- ⊗ High CFM, high air throw
 - ⊗ Fan dia 300mm to 800mm.
 - ⊗ Works in range of 20 °C to -40 °C
 - ⊗ External rotor fans
 - ⊗ Condensing Unit
 - ⊗ Suitable for high ambient
 - ⊗ Quick pull down, low noise
 - ⊗ Hermetic, semi hermetic, scroll, screw compressor unit

Ammonia Refrigeration Units



- ⊗ Ammonia based refrigeration system
- ⊗ Direct expansion or brine based cooling systems
- ⊗ Suitable for IQF, large cold storage, blast freezing applications

Compressor Rack System



- ⊗ Air /Water cooled condenser
- ⊗ All controls fitted
- ⊗ Electrical control board with PLC controller
- ⊗ Low power consumption

CA Solution



- ⊗ High quality storage control systems that control and generate the desired storage atmosphere
- ⊗ It includes N2 separators, CO2 scrubbers, O2 scrubbers, ethylene converters, O2 and CO2 analyzers and the related automation systems

Ripening Systems



- ⊗ Air tight chambers with specially designed doors
- ⊗ Intelligent gas control systems for high quality output fruits
- ⊗ Options for web based monitoring and controlling of temperature, humidity, ethylene and CO2

IQF



- ⊗ Individual quick freeze
- ⊗ Energy saving, cost effective
- ⊗ Maximize product yield
- ⊗ Full freezing combined in one unit
- ⊗ Specialized in fruits & vegetables

Docking Systems



- ⊗ Improved space utilization
- ⊗ Preventive maintenance is easy and fast, securing functionality and avoiding downtime
- ⊗ Designed to absorb all impact forces in optimal way

Spiral Freezer



- ⊗ 360 degree freezing.
- ⊗ Contains freezing, thus faster and efficient.
- ⊗ Compact Size
- ⊗ Able to freeze large contents at same time with maintaining quality of product.

Freeze drying



- ⊗ It lowers the temperature of product to below freezing and then a high pressure vacuum is applied to extract water in form of vapor.
- ⊗ Product is dried at low temperatures without damaging their physical structure.
- ⊗ Freeze dried products don't need to be further refrigerated or preserved with chemicals.

Blast Freezer



- ⊗ Customized size available for cooling feed products quickly to low temperature which is relatively safe for bacterial growth.
- ⊗ Intended to rapidly bring the temperature of product down, freezing them extreme quickly.

Cold Chain Solutions for Various Segments

We provide cold room products & solutions to various segments that require temperature & humidity control for preservation including



Ice Cream & Milk Products

- Rack type refrigeration for varied load consumption
- Customized for swift temperature pull down needs
- Dairy graded construction, eco friendly and CFC free



Pharma

- Pharma grade construction, CFC free construction of PUF Panels
- Refrigeration units, thermal efficient material, chutes to ensure cargo is not exposed
- Customized water chillers packages



Warehousing & Logistics

- Double deep or drive in racking for logistics, warehouse
- High CFM units, compressor rack systems to manage variable loads



Pack House & Multi Purpose

- Pre cooling, packing grading Lines
- Washing area, cold stores for various products for pack house & multipurpose cold storage



Controlled Atmosphere (CA) Solution

- Highly innovative CA storage that control & generate the desired storage atmosphere
- The reduction in temperature & amount of oxygen in a storage room means the slowing down of the natural, metabolic process of fruit & vegetable, internal increasing the shelf life of product



Floriculture

- Reducing respiration and internal breakdown by enzymes
- Reducing water loss and wilting slowing the growth of disease organisms
- Providing "time" for proper handling, packaging & marketing



Onion & Potato Cold Storage

- Highly innovative optimize ventilation control system.
- High CFM unit and monitored humidification arrangements.
- Mezzanine type storage (steel | wooden) along with highly efficient refrigeration system.



Banana Ripening

- Air tight chambers with specially designed doors
- High CFM indoor units which are specialized in high humidity
- Options for Web based monitoring and controlling of temperature, humidity, ethylene and CO2
- Manual/semi automatic/automatic ripening systems



Agro Products

- Maintain humidity
- Maintain freshness
- Energy efficient
- CFC free panels
- Less power consumption



Horticulture

- Atmosphere specialized
- Cold rooms providing natural atmosphere for cold rooms
- Appropriate humidity for proper & healthy growth and preserving



Hospitality

- Store pre cooked or semi cooked food, fruits, vegetables, meat, poultry, dairy, seeds & even garbage.
- Naturally they are designed to be safe & user friendly
- Good performer and energy efficient



Meat Processing

- High efficiency refrigeration units, Low power consumption
- Food grade panel
- Blast freezers
- Pre cooling chambers & cold storage facilities



Sea Food & Fisheries

- CFC free PUF panels food grade
- Blast freezers
- Pre Cooling chambers
- Cold Storage facilities



Blast freezers/IQF Facilities

- Best for sea foods.
- Peas/ corn processing
- Cut fruit & vegetable IQF

Snapshot of Key Projects Undertaken in India & Abroad

Turnkey cold chain projects for Food Processing Units, Logistic Parks, Cold Storage, IQF, Packing Grading Lines, Blast Freezers, Hardening Chambers, High Humidity Chambers, Low Humidity Chambers, Freezer Rooms, Chiller Rooms, Ripening Chambers, Mushroom Processing, Fish and Sea Food Processing, Meat Processing Units, Chicken Processing Units and Potato Cold Storage, Ice Cream & Dairy products, CA store etc.

Global Projects

CFS, CONGO

Capacity 2000 Pallet Position, temperature -25°C meat/chicken processing cold storage facility having a single chamber of 8.5 m(H).



SAMEER AGRICULTURE, KENYA

Cold room for preserving dairy products, ice-cream, yogurt storage temperature -25° C executed with Arctic Refrigeration system.



VARUN BEVERAGES (PEPSI), SRI LANKA

Cold room in Pepsi production plant for storing Pepsi raw material at different temperature for different products, temperature -25° C.



DEVYANI INTERNATIONAL, AFRICA

Ice-cream, yogurt storage, capacity 100 Pallet Position x 4, temperature -25° C. Done various jobs for them in Kenya, Uganda, Zambia in the African continent.



GUJARAT ENTERPRISES, MOZAMBIQUE

Ice-cream cold storage with hardening chambers, 50000 Ltr storage capacity temperature -25° C hardener capacity 4000 Ltr.



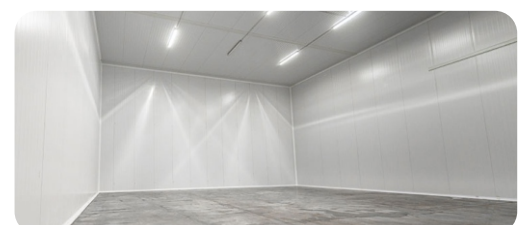
BLOW GROUP OF COMPANIES, GHANA

Ice-cream cold storage with hardening chambers, 50000 Ltr storage capacity temperature -25° C hardener capacity 4000 Ltr.



SHARIKAT FANNIYA OMANIYA (M) LLC, OMAN

Freezer Rooms (-20 Deg C) & Chiller Rooms (+2 Deg C).



Warehouse & Logistics Palletized

COLD STAR LOGISTICS, MUMBAI, PUNE, BANGALORE, DELHI

20,000 Pallet Position capacity frozen and chilled cold storage facility having screw compressor rack system with evaporators and condensers



GLOBAL ENTRADE, GUWAHATI, ASSAM

Instant quick freeze, 5000 Pallet Position palletized cold storage and IQF Facility 2Ton/Hr with screw compressor, floor mounted evaporator.



DS GROUP, GUWAHATI

5100 Pallet Position palletized cold storage for freezer (-20°) and chiller applications.



CONCOR, DADRI, UP

2000 Pallet Position Palletized cold storage project for freezer (-20°) and chiller application with double deep racking system with four chiller, three freezer chambers and one dry warehouse with advanced centralized compressor rack system.



VSM, NUH, HARYANA, PALWAL

2000 Pallet Position palletized cold storage for freezer (-20°) and chiller applications.



MR. KOOL, DADRI, UP

Palletized cold storage project for freezer (-20°) and chiller application. Total build capacity - 6000 Pallet Position.



COLD RUSH LOGISTICS, VARIOUS LOCATIONS

Palletized cold storage project for freezer (-20°) and chiller application. Total build capacity 20000 Pallet Position to 25000 Pallet Position.



INDOSPACE, MUMBAI

Around 20,000 Pallet Position Palletized having 40 chambers of various combination for freezer and chiller having screw compressor package with air cooled condenser.



SPICEJET, HYDERABAD

Palletized Cold Storage facility at Spicejet Hyderabad Airport.



CARRYFAST LOGISTICS, PATNA, BIHAR

6,000 Pallet Position capacity frozen and chilled cold storage facility at Patna, Bihar.



Snapshots of Ammonia Projects

MDFL DAIRY, MEHSANA

Ammonia Refrigeration plant for 5 lakh liter milk per day processing, ice cream hardening chamber (-45°C), curd blast room, butter deep freezer, milk cold room, falling film machine etc. Complete refrigeration solution for dairy plants.



B-VEG

A state-of-the-art turnkey cold storage facilities for Plant Based Protein Product & Meat alternative food products(RTE/RTC)comprises of Palletised Coldstore,Spiral Freezer, Plate Freezer, Blast Freezer,Thawing Chamber, Etc Including PUF panels, Motorised Doors and PLC based fully automatic Ammonia Refrigeration system.



NAND PRAYAG

The facility is equipped with a Coldstorage, Blast Freezer and an IQF for freezing & Storage of blueberries, sweet corn, mango pulp, etc., including PUF panels, doors, and complete ammonia refrigeration system.



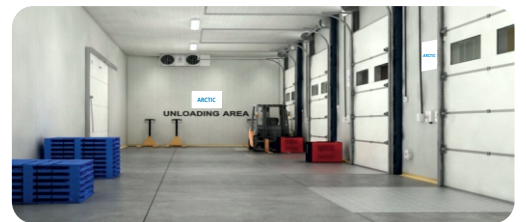
HSIIDC (SONIPAT, HARYANA)

7500 Pallet Position palletized cold storage for freezer (-20°) and chiller applications along with material handling equipment and 1.5 Pallet Position peas processing line with IQF Ammonia based fully automated refrigeration plant.



HAFED

Screw Compressor Packages for 6500 pallet position C/S and IQF, Peas processing line.



IDCO (KHURDHA, BALASORE, ODISHA)

Sea food park with complete solution including 1000 Pallet Position palletized frozen chamber at -20 deg C, 100 MTPD capacity block ice plant, material handling system.



MDFL DAIRY, MEHSANA

Ammonia Refrigeration plant for 5 lakh liter milk per day processing, ice cream hardening chamber (-45°C), curd blast room, butter deep freezer, milk cold room, falling film machine etc. Complete refrigeration solution for dairy plants



VIDYA (AMUL) DAIRY

Ice Cream Blast Freezer (-40 °C) for 800 Ltr/hour batch of ice-cream, With two cold room of -30°C. Including puf panel, puf door's with two stage refrigeration freon system. Including supply of 30 meter conveyor, ammonia and air compressor.



RAMANI ICE CREAM, BHOPAL

Cold rooms and hardening chambers to Top N Town (Ramani Ice Cream) Bhopal and cold rooms to their various distributors all across India.



CREAM LINE DAIRY, HYDERABAD

Supply & Installation of Refrigeration Units for Curd Blast Chiller of 50 Pallet Position/Batch & 70 Pallet Position/Batch.



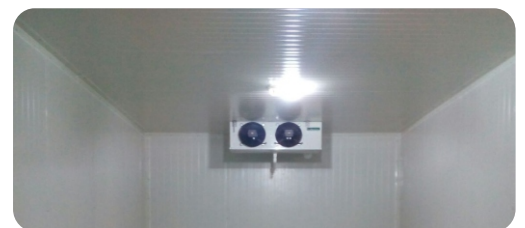
PHARMA/ SERUM INSTITUTE, PUNE

Freezer and chiller cold storage facility for pharmacy and includes air cooled condensing unit with scroll compressor, temperature -30°C & +2°C.



HOSPITALITY/ COURTYARD BY MARRIOTT, NASHIK

8 cold rooms including chillers & freezers for kitchen & garbage.



SEAFOOD/ KADER EXPORTS (LIBERTY FOODS) - TUTICORIN, TAMIL NADU

1100 Pallet Position sea food storage including PEB, palletized racking, puff panels, doors & refrigeration work.



SEAFOOD/ KADER EXPORTS (KITCO), BHIMAVARAM, ANDHRA PRADESH

1100 Pallet Position sea food storage including PEB, palletized racking, puff panels, doors & refrigeration work.



SPIRAL FREEZER/ HYFUN FOODS, MEHSANA GUJARAT

3000 Pallet Position Palletized Cold storage facility Freezer Room (-20 Deg C), Processing Area, Spiral Freezer 1000 Kgs/Hr Batch with Screw Compressor Rack system Double Deep Racking, MHE, Docking System with Dock Levellers, Overhead Sectional Doors etc.



FREEZER DRYING/ VSM, NUH, HARYANA

2000 Pallet Position palletized cold storage for freezer (-20°) and chiller applications.



IQF/ GLOBAL ENTRADE, GUWAHATI, ASSAM

Instant quick freeze, 5000 Pallet Position palletized cold storage and IQF Facility 2 Ton/Hr with screw compressor, floor mounted evaporator.



IQF/ HSIIDC, SONIPAT, HARYANA

7500 Pallet Position palletized cold storage for freezer (-20°) and chiller applications along with material handling equipment and 1.5 Pallet Position peas processing line with IQF Ammonia based fully automated refrigeration plant.



FANIDHAR (MEGA FOOD PARK)

15000 pallet position cold storage facility including supply, installation of PUF panels and refrigeration system having various temperature zones for processing and storage of potato based products.



CA/ SHIV COLD STORAGE, GUJARAT / HPMC, PATLIKUHL

1000 Pallet Position CA cold storage at Gujarat and CA storage facility for apples by using Ammonia Refrigerant based system with brine as secondary refrigerant at Patlikuhl, Kullu (Himachal Pradesh).



JYOTI EXPORTS, HIMMATNAGAR, GUJARAT

7000 Pallet Position cold storage for Potato.



HPMC, PARWANOO

3000 Pallet Position cold storage (750 Pallet Positionx 4 nos) for fruit & vegetables. Ammonia based refrigeration systems.



PUNJAB AGRO (PWD), LUDHIANA, PUNJAB

5400 Pallet Position palletized cold storage project of freezer(-20°C), chiller (0-2°C) and spiral freezer application for mega food park including ammonia refrigeration, puf panels, civil construction, PEB, electrical works, etc.



HSIIDC, SONIPAT, HARYANA

7500 Pallet Position palletized cold storage for freezer (-20°) and chiller applications along with material handling equipment and 1.5 Pallet Position peas processing line with IQF Ammonia based fully automated refrigeration plant.



MITS (MEGA FOOD PARK), RAYAGADA, ODISHA

5000 Pallet Position cold storage for multi-products and multi-chambers with traditional mezzanine storage.



TSIIC MEGA FOOD PARK (WARANGAL DISTT. TELANGANA)

1000 Pallet Position Palletized Freezer Rooms (-20 Deg C), Chiller Room, Pack House Etc.



IDCO, KHURDHA AND BALASORE, ODISHA

Sea food park with complete solution including 1000 Pallet Position palletized frozen chamber at -20 deg C, 100 MTPD capacity block ice plant, material handling system.



R.S.S.B, BEAS, PUNJAB

Total Storage capacity is 4500 Pallet Position for Potato's F&V and Onion storage with ERV, Co2, and RH control. Along with this 500 kg blast freezer for - 40 Deg C, 200 Pallet Position Freezer for - 25 Deg C application. The entire facility is fully automatic and can be remotely controlled and monitored.



S.K.M LOGISTICS HIMMATNAGAR, GUJARAT

7000 Pallet Position facility for potato storage, multi utility cold storage facility, screw compressor rack systems. The facility is having four chambers and ventilation systems for CO2 along with humidification system.



MARUTINANDAN COLD STORAGE, MODASA

5000 Pallet Position for potato storage, screw compressor rack system. The state of art facility with 4 chambers having heat recovery system, CO2 scrubber and humidification system.





Our Service Commitment

As a team, our collective goal is to build lasting relationships with our customers. Our sales and service team acts as an ambassador of Arctic Refrigeration, taking complete ownership from inception to completion of the project. We take pride in serving our customers 24 X 7. Our people demonstrate highest level of professional excellence and continuously innovate to build robust refrigeration solutions for our customers.

Our leadership is committed to keep a culture of service excellence which is benchmarked with International standards.



ISO 9001:2015
Certified in
Quality Management System



ISO 14001:2015
Certified in
Environmental Management System



ISO 45001:2018
Certified in
Occupational Health & Safety
Management System

Arctic Refrigeration Pvt Ltd

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PAN India Presence

**Sales and Service Networks across India with over 11 Zonal/Regional offices.
Rapidly expanding in other parts of India and the world**