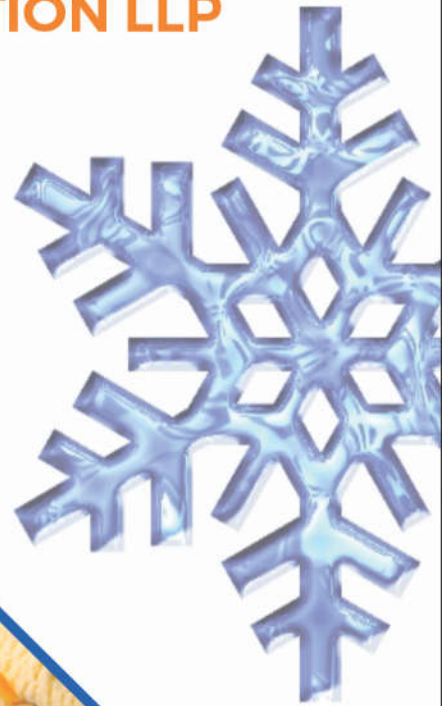




APPSTM

"Endless Solutions..."

APPS COLD SOLUTION LLP



**Commercial & Industrial Refrigeration
Manufacturer & Supplier**

www.appscold.com

Company Overview

Apps Cold Solution LLP is an emerging manufacturer of integrated cold chain solutions, committed to delivering superior quality, innovative technology, and unmatched reliability. With a strong foundation in engineering excellence, we specialize in the design, manufacturing, and installation of a wide range of industrial refrigeration systems including cold rooms, ripening chambers, blast freezers, PUF insulated panels, refrigeration containers and refrigeration on wheels (all kinds of vehicles).

Headquartered in Ahmedabad, Gujarat, with our manufacturing facility located at Vahelal, Ahmedabad, our operations span across India, serving clients in sectors such as food processing, dairy, pharmaceuticals, hospitality, agriculture, and logistics. From small-scale cold storage units to large turnkey projects, our solutions are designed to meet every industrial refrigeration need with precision and efficiency.

At **Apps Cold Solution LLP**, we blend deep industry expertise with advanced technology to ensure energy-efficient, sustainable, and cost-effective refrigeration infrastructure. Our commitment to quality, customization, and timely delivery has earned us the trust of our customers and a growing reputation in the cold chain industry.

MISSION

To revolutionize the cold chain industry by delivering cutting-edge, energy-efficient refrigeration solutions that preserve product integrity, reduce waste, and empower businesses across India to operate with confidence and consistency.

VISION

To become India's most trusted and innovative cold chain solutions brand, enabling a smarter, sustainable, and globally competitive refrigeration infrastructure for every industry we serve.

OUR CORE VALUES





MEET OUR LEADERSHIP

At **Apps Cold Solution LLP**, our leadership team is the driving force behind our commitment to innovation, excellence, and customer-centric cold chain solutions. With decades of combined experience across engineering, operations, and strategic growth, our directors bring unmatched insight and vision to the organization. Each leader brings unique strengths that power our continued success in the refrigeration and cold chain industry.



Mr. Rakesh Kumar Sharma (Managing Director)

With over 25 years of experience in the cold chain industry, Mr. Rakesh Kumar Sharma is the strategic mind behind the company's vision and growth. His extensive background spans across cold rooms, cold containers, and PUF panels—delivering deep technical expertise across a variety of industries and storage environments. As a visionary leader, he ensures Apps Cold Solution LLP remains at the forefront of cold chain innovation and excellence.



Mr. Pavan Kumar Sharma (Managing Director - Technical)

A founding member of Apps Cold Solution LLP, Mr. Pavan Kumar Sharma, brings 20+ years of hands-on technical expertise. His deep understanding of both indoor and outdoor refrigeration machinery and complex installation platforms makes him instrumental in ensuring engineering excellence. His leadership drives the company's commitment to quality, reliability, and cutting-edge solutions.



Mr. Naveen Sharma (Director – Sales & Marketing)

With a dynamic career spanning over 10 years in Sales and Marketing, Mr. Naveen Sharma leads business development initiatives for the company. His expertise in PUF panels, cold rooms, and refrigerated containers has helped establish strategic partnerships and grow the company's domestic and international presence. His efforts continue to position Apps Cold Solution LLP as a trusted and innovative brand in the market.

At Apps Cold Solution LLP, our leadership is united by a shared vision—to deliver innovative, energy-efficient, and client-focused cold chain solutions. Guided by core values of integrity, quality, and trust, we are shaping the future of cold chain infrastructure across India and beyond.

COLD ROOM PUF PANEL (DISCONTINUOUS TYPE)



At Apps Cold Solution LLP, we manufacture high-performance PUF Insulated Panels using a discontinuous process, designed specifically for cold room and temperature-controlled applications. Our panels are engineered to deliver exceptional thermal insulation, structural integrity, and long-term durability, making them ideal for cold storage, food processing units, pharmaceutical storage, and other temperature-sensitive environments.

Key Features :

- ◆ Superior Thermal Efficiency
- ◆ Robust Construction
- ◆ Modular Design
- ◆ Custom Sizes & Finishes
- ◆ Moisture & Bacteria Resistant

Types of Cold Room

Type	Description	Temperature
Common Cold Room	Cold Room for Vegetables and fruits	+2 °C ~ +8 °C
	Cold Room for meat, fish and other Perishable goods	-15 °C ~ -18 °C
	Freezer	-20 °C ~ -25 °C
Quick Freezer / Blast Freezer		-30 °C ~ -45 °C
Mobile Cold Room	Mobile Cold Room Trailer	-35 °C ~ +5 °C
	Refrigerated Container	-25 °C ~ +25 °C

Applications Industries we serve such as



Fruits & Vegetables



Pharmaceuticals & Healthcare Sector



Dairy & Ice Cream Industries



Dry Fruits & Spices



Research & Testing Labs



Meat, Fish, Sea food & Poultry Processing Units



Retail & Supermarkets



Bakery Products



Frozen Foods



Food & Beverages Industries



Hotel & Restaurants



Logistics & Distribution Centers



Blast Freezer

Rapid Cooling | Maximum Preservation

Our Blast Freezer Units are engineered for rapid temperature reduction of perishable items, ensuring food safety and quality retention by minimizing bacterial growth and cellular damage. These systems are specially designed for cold rooms requiring high-speed freezing, suitable for industrial kitchens, food processing plants, seafood, meat, bakery, and pharmaceutical applications.



Key Features :

- ◆ High-Speed Freezing Performance
- ◆ Heavy-Duty Construction
- ◆ High Static Pressure Fans
- ◆ Intelligent Control System
- ◆ Optimized for Low Temperatures for operating ranges between -45°C to -30°C
- ◆ Efficient Evaporator Design



Controlled Ripening for Quality, Safety & Shelf Life

Our Ripening Chambers are engineered for the safe, uniform, and controlled ripening of fruits such as bananas, mangoes, papayas, and avocados. Designed with advanced airflow and gas control systems, they replicate natural ripening conditions with precise control over temperature, humidity, and ethylene concentration, ensuring optimum color, taste, texture, and shelf life.

Features of our Ripening System :

To ensure safe, uniform, and effective fruit ripening, a standard ethylene ripening chamber must include the following components :

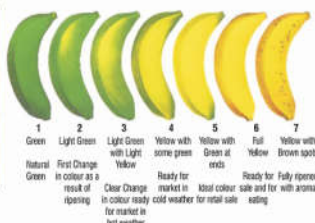
- ◆ Airtight & Insulated Room
- ◆ Temperature Control System
- ◆ Air Circulation & Ventilation System
- ◆ Humidity Control Unit
- ◆ Ethylene Gas Injection System
- ◆ Electric Control Panel

Ripening Chamber



Daily Ripening Chart

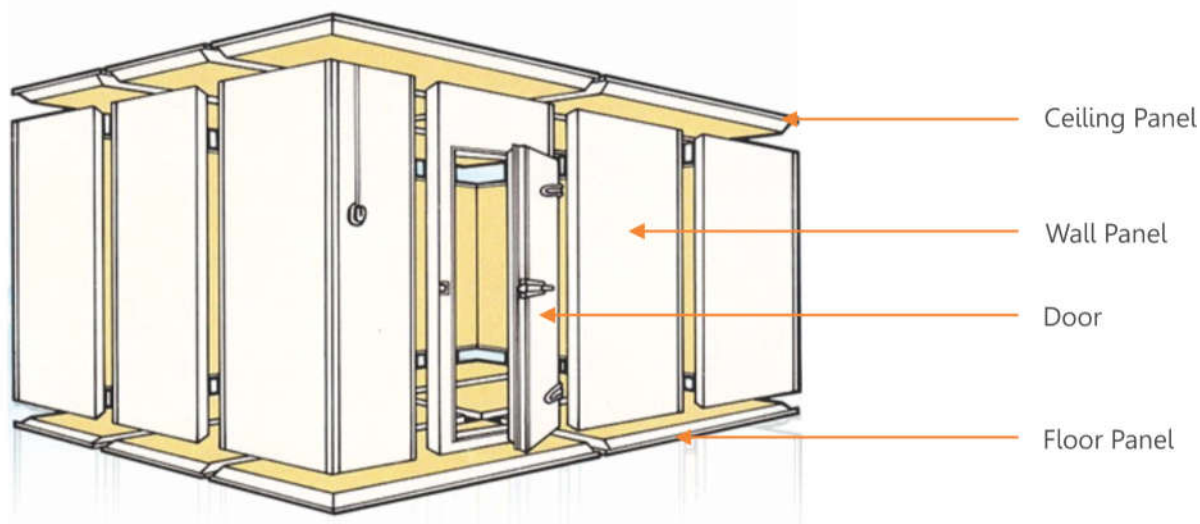
Days	1	2	3	4	5	6	7	8
8 Days	14.5°	14.5°	14.5°	14.5°	14.5°	14.5°	14.5°	14.5°
7 Days	15.5°	15.5°	15.5°	15.5°	14.5°	14.5°	14.5°	14.5°
6 Days	16.5°	16.5°	15.5°	15.5°	14.5°	14.5°	14.5°	
5 Days	16.5°	16.5°	16.5°	16.5°	15.5°	14.5°		
4 Days	18.0°	18.0°	16.5°	15.5°	14.5°			



At **Apps Cold Solution LLP**, we offer a comprehensive range of PUF Insulation Parts that complement our panel systems and ensure seamless thermal integrity across the entire cold room or controlled environment. Each part is manufactured with high-quality polyurethane foam and engineered to maintain uniform insulation at all joints, edges, and transition zones.

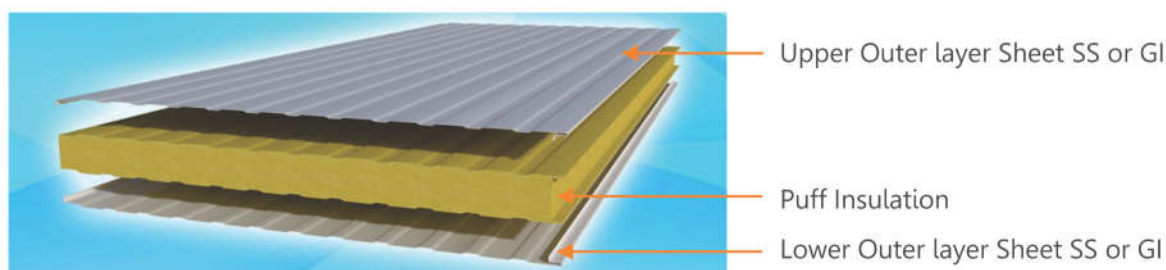
Whether it's for doors, corners, floor-to-wall junctions, or specialized cutouts, our insulation parts are available in various shapes, sizes, and thicknesses, and can withstand a wide range of temperature conditions.

INSULATION PARTS PRECISION MADE FOR COMPLETE THERMAL SEALING



Insulation Puff Panels – Engineered for Temperature Precision

At **Apps Cold Solution LLP**, we offer a wide range of PUF Insulated Panels tailored to meet the unique thermal and structural demands of cold chain infrastructure. Our panels are designed with precision foam injection technology and are available in multiple thicknesses to suit different temperature-controlled applications—from chilled environments to deep-freezing zones.

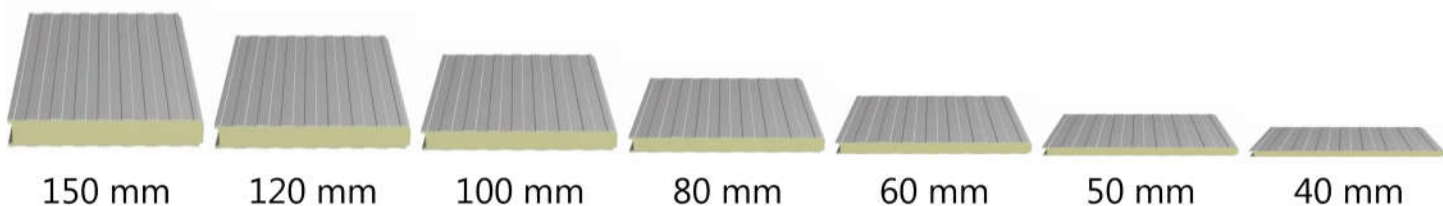


Panel Thicknesses & Temperature Sustainability :

Panel Thickness	Application Type	Temperature Range
40 mm	Pre-cooling Rooms, Pack Houses	+5°C to +18°C
50 mm	Pre-cooling Rooms, Pack Houses	+5°C to +18°C
60 mm	Pack Houses, Mild Cooling Areas	+2°C to +10°C
80 mm	Walk-in Chillers, Storage Rooms	0°C to +5°C
100 mm	Standard Cold Rooms	-5°C to 0°C
120 mm	Freezer Rooms	-15°C to -25°C
150 mm	Deep Freezers / Blast Freezers	-25°C to -45°C

Key Features of Insulation Panels :

Description	PUF Panels
Density	40 ± 2 kg/m ³
Fire retardant grade	B2/B3
Thermal conductivity	0.022 - 0.026 W/mk (25°C)
Water absorption	2.5 % - 3 %
Thickness	40 mm, 50 mm, 60 mm, 80 mm, 100 mm, 125 mm, 150 mm
Standard width	1180 mm
Length	Customized

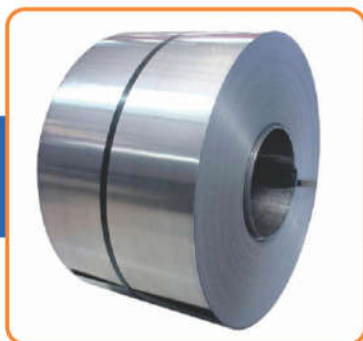


Room Flooring Material :



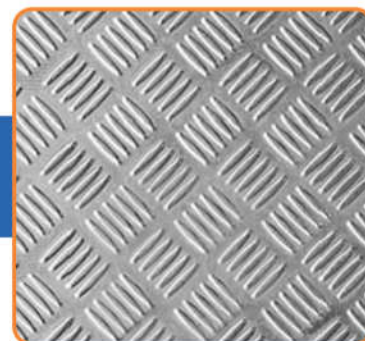
GI Pre – Coated (Colour option is also available)

Corrosion-resistant, cost-effective, and easy to install



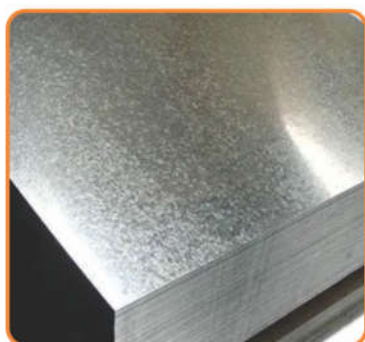
Stainless Steel - SS304

Highly corrosion-resistant, durable, easy to clean - ideal for hygienic settings



Aluminum Checkered Sheet

Enhanced Durability, Slip Resistance, Corrosion Resistance, Structural Rigidity



Galvanized Iron Sheet

Corrosion-resistant, cost-effective, and easy to install

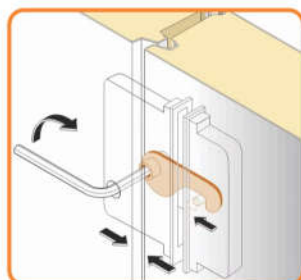


Marine Ply

Strong, moisture-resistant base material, commonly combined with others

Cam-lock type PUF sandwich Panel :

Cam Lock is an in-built locking mechanism integrated within PUF insulated panels for cold room applications. It enables fast, precise, and airtight joining of walls, ceiling, and floor panels — ensuring superior thermal performance, structural integrity, and reusability.



Key Features :

Superior Thermal Efficiency :

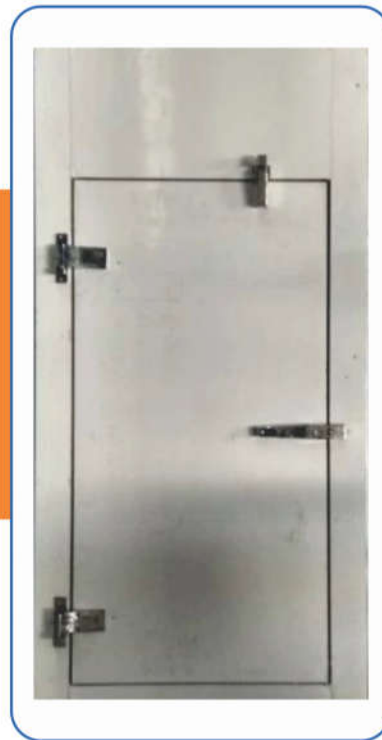
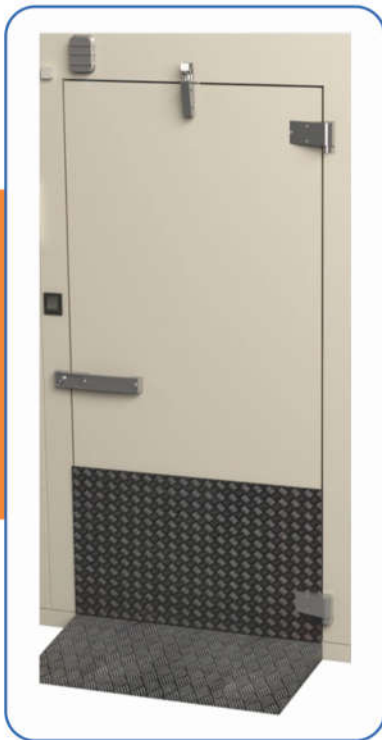
Feature
Easy Installation
Tight & Secure Joints
Insulation Integrity
Reusable Design
Hygienic Construction
Noise & Vibration Control

Doors & Windows :

Cold room doors play a vital role in maintaining the efficiency and insulation of cold storage areas. Choosing the right type of door is essential and should be based on factors such as opening mechanism, door leaf configuration, and installation design. Below is a detailed overview of the various door types we offer :

I. Flush Doors (PUF Insulated or Industrial Type)

- ◆ A Flush Door is a flat-surfaced door with no panels or molding, commonly used in cold rooms and clean rooms due to its hygienic finish, thermal insulation, and easy cleaning surface.
- ◆ Flush Door with PVC profile, push type door gasket & replicable electrical wire heater for easy door operation.



Technical Specifications (Cold Room Type) :

Parameter	Description
Temperature of cold room	-50°C to +60°C
Thickness	100 mm, 120 mm, 150 mm, etc.
Surface metal of door panel	PPGI/Color steel, stainless steel, etc
Frame	Aluminium / SS / PPGI with Cam Lock Provision
Hardware	SS Hinges, Lock with key, Handle (Push/Pull or D-type)
Applications	Cold Rooms, Clean Rooms, Pharma Labs, Food Processing Units
Electrical heating wire	Preventing Icing and Frosting on doors

II. Overlap Door :

Our Overlap Door for Cold Rooms is designed to offer superior thermal insulation, durability, and ease of operation. With a sleek design and robust sealing mechanism, it is ideal for maintaining consistent temperatures in cold storage environments across food processing, pharmaceuticals, logistics, and more.

Features :

- ◆ High Insulation Performance
- ◆ Overlap Design for Airtight Seal
- ◆ Heavy-Duty Hardware
- ◆ User-Friendly Operation
- ◆ Custom Sizes Available
- ◆ Temperature Range



III. Hatch Door / Hatch Window

- ◆ A Flush Door is a flat-surfaced door with no panels or molding, commonly used in cold rooms and clean rooms due to its hygienic finish, thermal insulation, and easy cleaning surface.
- ◆ Different size hatch doors with heavy frames for easy material movement in high turn-over in ice cream and other industrial uses.



Features:

- ◆ Allows safe and hygienic transfer of materials
- ◆ Minimizes contamination (ideal for clean rooms)
- ◆ Double-door hatch optional with interlocking system
- ◆ Can be customized with vision glass or sliding panels

REFRIGERATION UNITS

The refrigeration system is the heart of any cold room, playing a critical role in ensuring efficient cooling and temperature control. It is responsible for maintaining the desired environmental conditions essential for the safe storage of perishable goods.

Different applications require different temperature ranges, typically **low temperature (-22°C to 0°C)**, **medium temperature (+2°C to -8°C)** and **high temperature (+15°C to +18°C)** zones. To meet these diverse needs, a versatile refrigeration system is essential.



EVAPORATOR & CONDENSING UNITS



Key Features

- High-Performance Fan System
- Efficient Coil Design
- Reliable Defrost Mechanism
- Corrosion-Resistant Body
- Easy Maintenance & Installation



Our Refrigeration Partners

At **Apps Cold Solution LLP**, we collaborate with globally trusted and technologically advanced refrigeration equipment manufacturers to ensure high-quality performance and durability. We proudly partner with industry-leading brands such as :



Our strategic partnerships allow us to offer energy-efficient, low-maintenance, and environmentally compliant solutions for all types of cold storage and refrigeration requirements.

Control Panel for Cold Room Systems

Smart Control | Enhanced Safety | Efficient Operation

Cold Room Control Panel is the central command unit for managing and monitoring refrigeration operations. Designed for precision, reliability, and user safety, the panel integrates key electrical and automation components to ensure seamless control over condensing units, evaporators, lighting, defrost cycles and alarms.



Key Features of Cold Room Control Panel :

- ◆ Phase Failure & Sequence Protection
- ◆ High- & Low-Pressure Protection (HP/LP)
- ◆ Automatic Defrost Control
- ◆ Delay Timer Function
- ◆ Over/Under Current Protection
- ◆ Temperature Alarms (High/Low)
- ◆ Quick Freezing Mode
- ◆ Door Status Alarm
- ◆ Trip Alarm & Event Logging
- ◆ Compatible with Air & Water-Cooled Systems

Accessories Part

Functional Accessories :

◆ PVC Curtains

Designed to minimize indoor and outdoor air exchange, helping maintain temperature stability and improve energy efficiency in cold rooms.

◆ Door Hinges & Lock

Securely connects the door panel to the door frame, ensuring smooth operation and long-term durability in cold room environments.



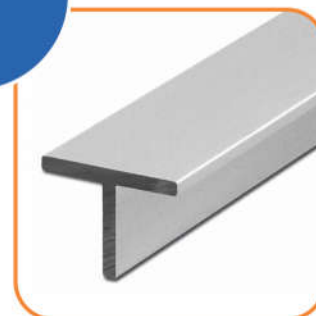
Structural Accessories:

◆ Corner Panel

Designed to provide a seamless and insulated joint at panel intersections, enhancing the structural integrity and thermal efficiency of the cold room.

◆ Aluminium T Section

Application: Used after every 15 to 20 feet of panel installation, Aluminium T Profiles act as structural connectors that enhance strength and alignment between adjoining wall or ceiling panels.



REFRIGERATED CONTAINER

Engineered for Performance & Efficiency :

- Optimal Performance
- High Strength
- Low Weight
- More Freight
- Agile and Robust
- Superior Thermal Efficiency
- Better Insulation

Mobile Container

APPS COLD's Refrigerated Containers are designed to provide powerful, reliable, and uninterrupted cooling directly from the vehicle's engine, making them ideal for long-haul transport and continuous cold chain maintenance.

These systems are engineered to deliver precise temperature control for both **chilled (+2°C to +8°C)** and **frozen (-18°C to -25°C)** applications—even in challenging road and weather conditions.

Apps Cold Solution Refrigerated Containers are engineered to maintain temperatures from **+25°C to -25°C**, making them ideal for transporting perishable goods across **small vans, mini trucks, and heavy-duty vehicles**.

Built with **premium components** and **high-performance insulation**, our containers ensure maximum thermal efficiency and durability delivering long-term value and reliability.

Choose from **single or multi-door configurations**, with a wide range of customizable options tailored to your business requirements.



Key Features

- Engine Driven / Stand by Technology
- High Cooling Efficiency
- Cooling Range **+8°C to -25°C**
- Vehicle Compatibility
- Digital Temperature Controller
- Durable Insulated Body
- Low Maintenance Design
- Ideal for Multi-Drop Deliveries

Application

- Dairy & Ice Cream Transport
- Frozen & Processed Foods
- Meat, Poultry & Seafood
- Bakery & Confectionery
- Pharmaceutical Logistics
- Fresh Fruits & Vegetables



Dry Insulated Mobile Container



Apps Cold Dry Container is engineered with a focus on **strength, efficiency, and versatility**. Built using high-quality yet lightweight materials, it offers **maximum payload capacity** while ensuring the **safe and hygienic transport of goods**.

Designed for non-refrigerated applications, the dry container is ideal for a wide range of **food industry segments** where insulation and protection are essential but active cooling is not required.



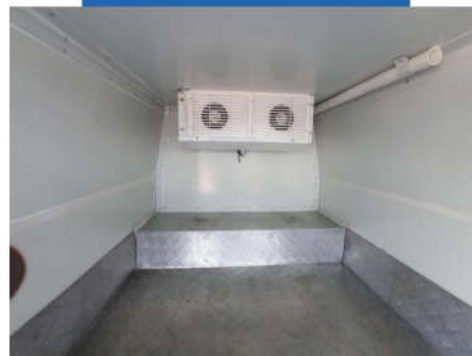
Revolutionary Innovation :

Cold Room on **EECO Vehicle** Apps Cold proudly presents a breakthrough in last-mile cold chain logistics—the Compact Cold Room built on the EECO vehicle platform. This innovative solution is designed to meet the growing demand for affordable, mobile, and temperature-controlled delivery, especially in urban and semi-urban environments. Compact. Cost-Effective. Game-Changing.

Out side view



Inside View



Temp. Achieved -20°C



Key Features :

- Temperature Control Range: +25°C to -25°C
- PUF Insulated Panels with high-density core for superior thermal efficiency
- Reefer System optimized for compact vehicles
- Lightweight Construction for maximum mileage and payload
- Available in Chilled & Frozen Variants
- Low Operational Cost, high fuel efficiency
- Ideal for Doorstep Delivery

Best Suited For :

- Ice Cream & Frozen Foods
- Dairy & Bakery Items
- Meat, Poultry & Seafood
- Pharmaceuticals & Vaccines
- HORECA Supply Chain (Hotels, Restaurants, Caterers)
- E-commerce Grocery & Perishables

High-Quality Accessories for Refrigerated Containers

Door & Frame



Our refrigerated container doors offer superior insulation (80–100 mm), integrated thermal breaks, and corrosion-resistant stainless-steel frames. Choose from fully openable, single, or windowed designs customizable to your needs. Built for durability and frequent use, they ensure reliable performance in harsh conditions without compromising access or temperature control.

Backbone Subframe



Heavy-duty MS subframe (4–8 mm) ensures durability and protection, positioned between chassis and container to absorb impact and reduce stress. Designed for heavy-duty use, it strengthens structural integrity and extends the refrigerated vehicle's lifespan.

Heavy duty handle and hinges



Corrosion-resistant stainless-steel handles and hinges ensure secure closure, durability, and safety. Rigidly mounted for strength, they resist wear, reduce maintenance costs, and withstand heavy use and harsh conditions for long-lasting performance.

Anti-Shock Body Protection



Anodized aluminium mouldings protect the container with impact resistance, anti-shock strength, and corrosion-proof durability. The monoblock design enhances structural integrity, ensuring long-lasting protection against wear, dents, and harsh conditions.

PVC Strip Curtains



Durable PVC strip curtains minimize cold air loss, maintain insulation, and allow easy goods movement. Flexible to install, they enhance energy efficiency and reduce reefer system runtime for improved performance.

Seal Gasket



High-performance 4-lip door gaskets ensure airtight insulation, blocking heat, dust, and moisture. With anti-mislaying design and anti-thermal bridge integration, they enhance temperature retention, protect cargo, and reduce energy loss.

Rigid Floor Construction :

Heavy-duty refrigerated containers with a multi-layered floor: PPGI sheet (0.45 mm) for external protection and 9 mm marine plywood core for superior strength and moisture resistance. Durable, reliable, and built for long-lasting performance.



FLOOR Surface Options :

Aluminium T Profile | Aluminium Chequered Plate | Marine Ply | Corrugated Profile (Aluminium or Stainless Steel)
This recessed interior floor is engineered to absorb shocks from trolleys and carts, protecting the GRP panels while ensuring easy cleaning and safe loading/unloading operations.

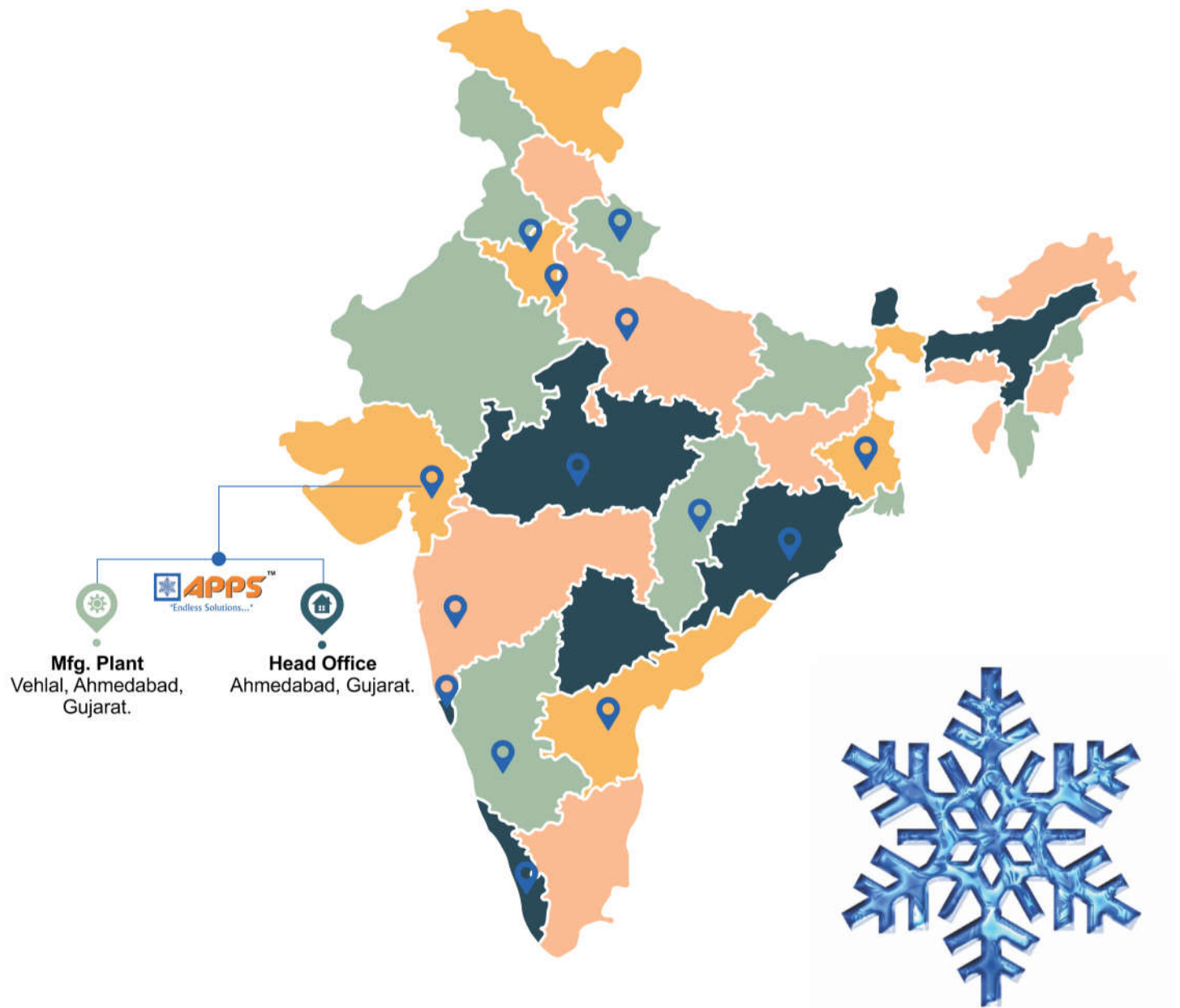
Our Clientele

Trusted by leading brands across industries and continuing to earn the trust of many more on our journey.



and many more.....

APPS COLD SOLUTION ACROSS IN INDIA



 **Dealers & Associates :**
Mumbai, Kolkata

 **Our Customer :**
Gujarat, Maharashtra, Madhya Pradesh, Haryana, New Delhi, Uttar Pradesh,
Odisha, West Bengal, Chhattisgarh, Uttarakhand, Andhra Pradesh, Kerala, Karnataka, Goa

NOTE PAD





Your trusted partner in cold chain solutions



APPSTM

"Endless Solutions..."

APPS COLD SOLUTION LLP

- Factory Add.** : Plot No. 73,90,91 & 92 - Vibrant Industrial Park-2,
Zak-Kadadra Rd, Vill.: Vahelal, Ta.: Daskroi,
Dist.: Ahmedabad - 382330, Gujarat.
- Regd. Add.** : G-4/A, Hemkoot Complex, B/h. Janapath Complex,
Opp. Sanyas Ashram, Ashram Road,
Ahmedabad-38006. Gujarat, India.
- Phone** : +91 9687611423
- Email** : info@appscold.com
- For Sales Inquiries**
- Head Office** : 517, Shilp Arcade, Bilasiya, SP Ring Road, Nr. Mahakali
HP Petrol Pump, Naroda, Ahmedabad - 382330, Gujarat,
India.
- Phone** : +91 9687611421
- Email** : sales@appscold.com
- Visit our website** : www.appscold.com

Connect with us :



Proudly made in India

Scan & visit Website

