

# COLD STORES & CONTAINERS

## FOR STORAGE, LOGISTICS, SHIPPING & TRANSPORT



Hire & sale – Available in 10ft, 20ft & 40ft Cold stores  
from -60°C to +60°C – perfect for all kinds of products!

022 4035 2000

[www.CTContainers.in](http://www.CTContainers.in)



**WORKING  
OFFSHORE?**

We also specialize in  
DNV 2.7-1 containers!



## OUR SERVICES

WE SUPPLY HIGH QUALITY CONTAINERS  
AND SERVICES WITH COMPETITIVE PRICING  
– WHY BE SATISFIED WITH LESS?

Containers are an excellent solution when you need fast, low cost and reliable storage space or when shipping project and relief cargoes with storage need at destination.

Cold stores, dry containers and DNV 2.7-1 offshore containers are all available within India.

## OFFICES

### Crystal TITAN Containers

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Off Aarey Road,  
Goregaon East  
Mumbai 400 063

+91 22 4035 2000

MAILTO:CTC@crystalgroup.in

[www.CTContainers.in](http://www.CTContainers.in)  
[www.CRYSTALGROUP.in](http://www.CRYSTALGROUP.in)

## TITAN GROUP

As part of TITAN all of the group's services are now available to local customers through the contacts above. International services include:

- Long term and 1-way container rentals
- New & used container sales
- Domestic rental in much of Europe & South America
- Worldwide DNV container supplies

[www.TITANcontainers.com](http://www.TITANcontainers.com)  
[www.ArcticStore.com](http://www.ArcticStore.com)  
[www.DNV-containers.com](http://www.DNV-containers.com)







# CRYSTAL TITAN CONTAINER

## CRYSTAL

Established in 1993, Crystal Logistic Cool Chain Limited ('CLCC') is amongst the leading cold chain companies in the country, providing a full range of temperature control supply chain solutions, present in every segment of the supply chain for temperature controlled solutions.

### Its vast bouquet of solutions includes:

- Temperature controlled distribution services
- comprising both primary and secondary distribution
- Temperature controlled warehousing,
- Third party logistics services,
- Portable cold storage solutions,
- Express delivery service,
- Part load services, and
- Project cargo logistics.

Offices in Mumbai, Delhi, Kolkata, Chennai, Hyderabad, Goa, Ahmedabad, Nagpur, Siliguri, Bhopal, Pune and Indore.

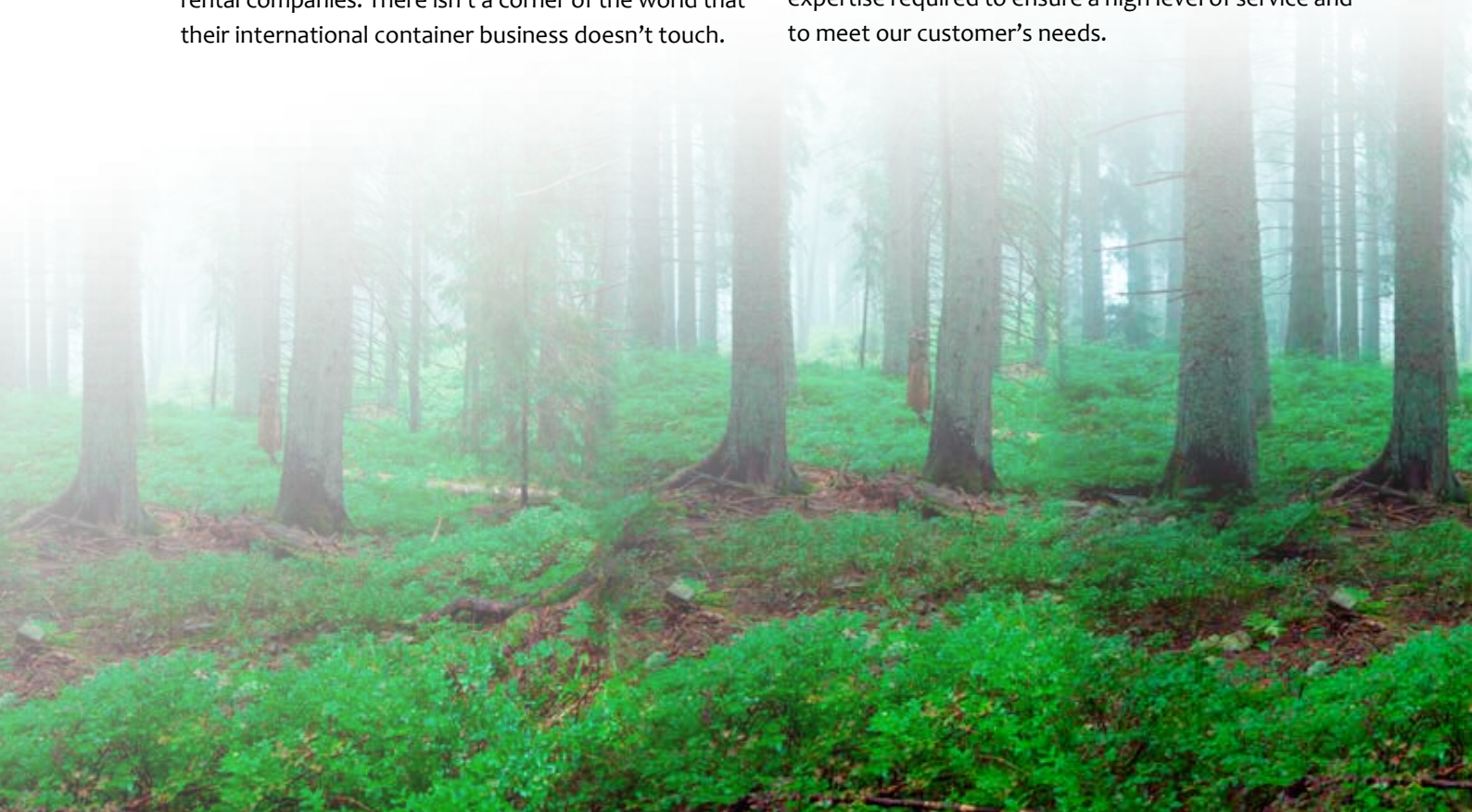
## TITAN CONTAINERS

The second half of CTC - TITAN Containers A/S - is considered one of the premier European domestic rental companies. There isn't a corner of the world that their international container business doesn't touch.

The company started in 1987 and is today one of the largest privately owned companies supplying containers for a multitude of applications. TITAN's initial target was to pass on the advantages of high volume with providing users with top quality services and competitive pricing. Today more than 25 years later they maintain the same targets, operate 5 brands and are offer worldwide services with a network that is second to none.

Whilst their core business remains standard ISO container rental & sales, TITAN has expanded their business activities to include worldwide deliveries of; DNV containers to the offshore industry, extremely user friendly power efficient and affordable temperature controlled storage solutions and locally cost effective self-storage solutions and finally transport and crane services.

TITAN's ever increasing number of regional offices coordinate their worldwide container activities with more than 200 depot locations worldwide. TITAN ensures that containers are as close as possible to there where they are required. They have a well-established network of partners with the local knowledge and expertise required to ensure a high level of service and to meet our customer's needs.





## OUR PLANET HAS ONLY ONE ENVIRONMENT

There is very little that is green about the container industry. Industrial production, the consumption of raw materials and massive power use are all damaging to our planet's environment.

TITAN maintains a policy of minimum negative effect where ever economically and technically viable. Already in 1994 new refrigeration machines were introduced. This permitted phasing R12 out earlier than legislatively required.

Since 2005 more than 95% of the fleet of refrigerated rental containers/cold stores feature newer technology machines. Today it is around 99%. More than 400 older units have been sold for the recovery of valuable resources. These new technology machines offer up to 75% power savings when compared to old refrigerated containers!

When building new containers we are also 100% aware of minimal environmental impact. Since 2005, TITAN has fitted bamboo flooring to the vast majority of dry van and dry special containers. Bamboo is a renewable resource reducing tropical rain forest depletion.

Our refrigerated container and cold store manufacturing is with blowing agent 365mfc. HFC-365mfc has a zero ODP coefficient and a GWP value in the same range as the one of HCFC-141b. As its POCP coefficient is low, its impact on smog creation is small, contrary to alternative not-in-kind technologies based on hydrocarbons. The US EPA listed 365mfc under the significant New Alternatives Program (SNAP) as an alternative to ozone depleting solvents.

Where available water based paint systems have been applied to refurbishment and new production containers.



# STANDARD REEFER CONTAINERS



20ft stack of ISO reefer containers



20ft reefers with clip-on gen set

## ■ A COST EFFECTIVE ALTERNATIVE TO COLD STORE MODELS OR FOR INTERNATIONAL TRANSPORT USE

These are mostly with traditional T-section floors, (some have flat aluminium floors), hygienic stainless steel interiors, standard container doors and marine refrigeration plant.

Our newer equipment includes automatic constant data logger and set point from  $-40^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$ . Available

as 10ft, 20ft and 40ft – all are with valid CSC plates where required.

These ISO refrigerated containers are suitable for domestic rail, road and sea transport as well as for international applications. Nose mounted, clip on, diesel powered generator sets are also available.





## USER FRIENDLY & SAFETY



1-hand opening door handle



Internal light



Internal release



Ramp



Light switch & person trapped alarm



Strip curtain

On the following pages you can see and read about our portable cold storage products.

Tailor made for storage applications; we have included a range of benefits that are not commonly available when using normal reefer containers. All these benefits are intended to reduce your costs and add value to your use.

Instead of hard to open doors; 1 hand operation easy opening doors. These can also be opened from the inside.

To minimise heat gain our cold stores include top quality insulation and sliding air curtains that cover the entire door width.

Internal lighting is operated from a switch to the right inside the door. Beneath the light switch is the personnel alarm with a flashing beacon and siren located externally beside the refrigeration plant.

Flat, easy to clean, non slip aluminium flooring and food grade stainless steel interior lining ensure you can maintain 100% hygienic conditions at all times.

A 750KG ramp fits beneath the door for ease of access with roll cages or pallet lifters.

Featuring new technology refrigeration, all stores are extremely power efficient, maintain the set temperature throughout and include an in-built data logger.

Require 380/440V, 3 phase power. Lead and 5 pin 32A CE plug are included.

Standard operating range is -40°C to +30°C. Specific ultra cold models -60°C and our heater stores to +60°C

Primarily for transport we offer both 20ft and 40ft (hi cube) refrigerated containers.

These are mostly with traditional T-section floors, (some have flat aluminium floors), hygienic stainless steel interiors, standard container doors and marine refrigeration plant.

Our newer equipment includes automatic constant data logger and set point from -40°C to +30°C.

Nose mounted, clip on, diesel powered generator sets are also available.

Available as 10ft, 20ft and 40ft – all are with valid CSC plates where required.

Suitable for domestic rail, road and sea transport as well as for international applications.

# ARCTICSTORES

■ SOPHISTICATED EASY TO USE, EXTREMELY RELIABLE & POWER EFFICIENT



20ft ArcticStore located into loading dock using support legs

ArcticStores are designed and built to give maximum user benefit.

Internal lighting permits safe 24/7 use and the standard health & safety features give added user comfort. The flat floors and ramp give easy access for all wheeled cargo handling such as cargo cages, barrows and pallet lifters.

Available as 10ft, 20ft and 40ft there are sizes to suit all requirements. If you need something larger turn the page to SuperStores.





“Plug and play” is our motto; connect the cold store to 380/440V, set the required temperature and you have a perfect environment for your valuable products. The new technology refrigeration ensures a constant internal temperature through out the container and with minimal power consumption. Our refrigeration machines are amongst the most power efficient yet they also provide fast pull down. Although not built to perform rapid cooling the effect is

sufficient to realise acceptable temperature reduction (removal of field heat) of fresh produce. When storing fruit and vegetables the fresh air exchange valve can be activated to remove the harmful gases. Smaller quantities of products can also be deep frozen in 12-24 hours. We have special models with increased effect for this function. Average power consumption is 2 kWh in 32C ambient temperature.



Our market leader range of 10ft, 20ft & 40ft ArcticStores.

ArcticStore	External			Internal				Weights		
	Length	Width	Height	Length	Width	Load height	Floor space	Max gross	Tare	Net
10ft	3000 mm	2450 mm	2620 mm	2360mm	2292 mm	2230 mm	12.5 m³	10160 kg	2060 kg	8100 kg
20ft	6058 mm	2450 mm	2620 mm	5427mm	2292 mm	2230 mm	28.8 m³	24000 kg	2770 kg	21230 kg
40ft	12193 mm	2450 mm	2900 mm	11560mm	2292 mm	2530 mm	69.0 m³	30480 kg	4650 kg	25830 kg

Dimensions shown are typical and variances are possible.



20ft ArcticStore  
with loading ramp

# ARCTIC SUPERSTORE™

## ■ ALMOST UNLIMITED CAPACITY – WE ARE BRINGING A NEW DIMENSION TO PORTABLE COLD STORAGE

Starting with 58m<sup>2</sup> and increasing with 29m<sup>2</sup> per unit there is almost no limit on the size of the installation. Suitable for use inside, outside onto loading dock or connected to buildings.

Arctic SuperStores offer opportunities to create on site cold storage capacity.

SuperStores are purpose built and when erected have minimal air heat leakage. On site construction requires only a flat stable area and the required 380/440V power supply.

Various configurations are available including additional

doors, also side doors and in larger facilities emergency staff exit(s). Whilst most SuperStores are based upon 40ft units they are also available in 20ft configurations. As with ArcticStores, SuperStores include as standard flat floors, internal lighting, personnel alarm and all other features detailed earlier in this brochure.

Fresh air exchange can be activated for fruits and vegetables. SuperStores are normally only available on long term (from 3 years) rental or as a sale.

Are designed and built to give maximum user benefit.







Internal of a SuperStore



Dimensions in cm SuperStores 40ft (12 m)	external	internal		Super 2	Super 3	Super 5	Super 7	Super 9
Length	1219	1165	Width ext.	495	745	1245	1745	2245
Height	290	259	width int.	480	730	1230	1730	2230
Recommended load height		235	UK pallets	42	66	110	154	198
Internal height at the joints		241	EU pallets	51	85	142	199	256



40ft SuperStore  
being installed

# DRY CONTAINER & DRY SPECIALS

■ WE OPERATE THE FULL RANGE OF CONTAINERS INCLUDING SOME MODELS NOT GENERALLY AVAILABLE



40ft ISO shipping or storage container



10ft ISO container



20ft ISO container

Available size/types include:

Type/Size	LENGTH			HEIGHT	
	10ft	20ft	40ft	8ft 6"	9ft 6"
Dry Van	X	X	X	X	X
Open Top		X	X	X	
4'3" high Open Top		X			
Flat Rack		X	X	X	
Full Side Access		X	X	X	X
Doors both ends		X	X	X	X
Bulk		X		X	
Reefer	X	X	X	X	X







20ft ISO full access with double door at both ends

All types are available for hire or sale as new containers. Many types are also available in used and refurbished condition. Naturally all are supplied with valid CSC plates. Containers can be supplied from India with return acceptable in many parts of the world. Similarly we can supply outside of India with return at Indian or other worldwide locations. Domestic use containers for DTA logistics and storage applications are also available. Long & short (spot) term hire as well as 1-way rental terms are offered. For offshore containers please see the next pages about DNV Containers.



20ft ISO collapsible flatrack



40ft ISO open top container

# DNV 2.7-1 OFFSHORE CONTAINERS

## ■ ENGINEERED FOR USER SAFETY, DESIGNED AND BUILT FOR USER SATISFACTION

All the above types are available for hire or sale as new containers. Naturally all are supplied with valid & relevant DNV certification. We supply DNV containers worldwide including from Indian locations.

Long & short (spot) term rental terms are offered. We can also supply in alternative sizes and other DNV 2.7-1 / EN12079 container products like pipe carriers, skips, accommodation containers and baskets.







20ft 2.7-1 DNV offshore hard top dry container



10ft 2.7-1 DNV offshore reefer container

We operate the full range of dry van and dry special containers including some models not generally available. Available size/types include:

Type/Size	LENGTH			HEIGHT		
	8ft	10ft	20ft	8ft 0"	8ft 6"	4ft 3"
Dry Van	X	X	X	X	X	
Open Top		X	X	X	X	
Hard Top Open Top		X	X	X	X	
4ft 3" high Open Top		X	X			
Open top with tarpaulin		X	X		X	
Workshop		X	X		X	
Reefer	X	X	X	X	X	
Baskets		X	X			X



# CONTAINERS CAN BE USED EVERYWHERE – WELL ALMOST

