

Cryogenic Transport Solutions



for the emerging markets

Distribution solutions
for LIN/LOX/LAR,
CO2, LNG &
hydrogen





Strategic Locations

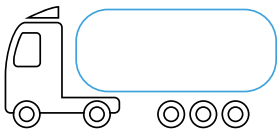
Chart has facilities in Germany, India and China that manufacture a complete range of cryogenic trailers and ISO containers for the safe and efficient distribution of liquid gases by road, rail and sea.

Regardless of location, equipment is manufactured in accordance with applicable international codes and regulations (including ADR, IMDG, IMO, RID, ASME) and Chart standards.



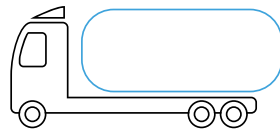
The 2024 expansion in Germany included additional manufacturing capacity for all liquid gas and gaseous hydrogen trailers plus Europe's first production of liquid hydrogen trailers.

Complete Range of Truck Bodies



Semi-Trailer

1–4 axles
side and rear cabinet
compact and long version

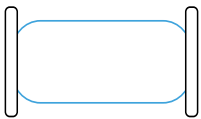


Tank Body

2–4 axles trucks
detachable and rigid version
side and rear cabinet

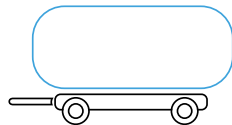


Chart founded its first wholly owned Chinese subsidiary in the early 1990's. Through continued investment, development and transfer of best practice, products made in our Chinese facilities are consistent in quality and reliability with equivalent items manufactured in our US and European operations.



ISO Container

10–58 ft
ISO / domestic wool, foam
and vacuum insulation
multiple pressure stages



Trailer

1–2 front axles
1–3 rear axles
detachable and rigid version
side and rear cabinet

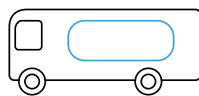


Chart's VRV Asia Pacific facility is spread over 28 acres of land within the Sri City DTA. Located along National Highway 5, about 55 km north of Chennai, the facility is connected to the three major ports of Southern India. A facility expansion completed in 2023 doubled the manufacturing capacity in Sri City.



Swap Body

10–58 ft
ISO / domestic wool, foam
and vacuum insulation
multiple pressure stages



ORCA (MicroBulk)

small trucks / transporters
CO₂ and air gases



Liquid N2, O2, Ar (LIN, LOX, LAR)

- Inner and outer vessel made of stainless steel or aluminium
- Ergonomic piping design
- Best-in-class vacuum values and holding times
- Multiple pressure stages
- Low center of gravity
- Rear, side and center cabinet
- Fully automatic unloading system
- Choice of pump and flowmeter brands
- Additional safety equipment available including dead man's switch, filling and over pressure protection



Liquid Carbon Dioxide

- Material duplex or cold stretched stainless steel
- Ergonomic piping design
- Best-in-class holding times
- Rear, side and center cabinet
- Fully automatic unloading system
- Choice of pump and flowmeter brands
- Additional safety equipment available including dead man's switch, filling and over pressure protection
- Foam insulated tank (vacuum insulation available as an option)

LNG / Hydrogen / Ethylene

- Inner and outer vessel made of stainless steel
- Ergonomic piping design
- Best-in-class vacuum values and holding times
- Multiple pressure stages
- Low center of gravity
- Rear, side and center cabinet
- Fully automatic unloading system
- Choice of pump and flowmeter brands
- Additional safety equipment available including dead man's switch, filling and over pressure protection



ISO Containers

Solutions for nitrogen, oxygen, LNG, argon, methane, nitrous oxide, ethylene, carbon dioxide and hydrogen. Available as 20' or 40' models and built in Chart's facilities in the US, Europe, China and Italy. Chart ISOs can be engineered to meet all applicable international design codes and even dual coded on request.



Orca

Chart's ORCA revolutionized the gas industry enabling efficient delivery of liquid gases to smaller users, locations inaccessible to larger vehicles and where noise restrictions apply. ORCA incorporates the most advanced technology and provides the highest levels of safety, ease of operations and zero emissions during filling.

- Seamless integration with Chart MicroBulk liquid cylinders
- Dispensing of many liquid gases including oxygen, nitrogen, argon and carbon dioxide
- Integral pump, no liquid loss, highly accurate metering

Aftermarket Service, Maintenance & Repair

Chart provides a complete aftermarket service for all mobile units that includes service, repairs, spare parts, upgrades and technical support.



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