



Liquid Hydrogen (LH₂) Trailers

DESIGN | ENGINEERING | MANUFACTURING | PROJECT MANAGEMENT | INSTALL | COMMISSIONING | TRAINING | LIFECYCLE MAINTENANCE

**ENGINEERED FOR RELIABILITY.
DESIGNED FOR THE FUTURE.**



Reliable, Safe, and Sustainable Hydrogen Solutions

Chart Industries delivers high-performance Liquid Hydrogen (LH_2) trailers engineered for today's most demanding applications. Designed for optimal insulation, minimal hydrogen loss, and ease of handling, our trailers provide performance you can trust.

Chart has developed a 58.000-liter LH_2 trailer to improve efficiency and logistics in your delivery operation, helping to meet the increasing demand for LH_2 .

Why Choose Chart LH_2 Trailers?

With every trailer, we aim to:

- **Maximize efficiency** by reducing hydrogen boil-off rates
- **Ensure safety** and compliance with international standards
- **Support sustainability** by minimizing hydrogen waste
- **Deliver durability** that lowers long-term operating costs

Trusted in over 60 countries, Chart LH_2 trailers are engineered for:

- **Optimized payload** for efficient road transportation throughout Europe
- **Best holding times in the market** – up to 12 days with a pressure increase of only 1.8 barg





Liquid Hydrogen Trailers

Built with industry-leading cryogenic expertise, Chart's LH₂ trailers offer the most efficient and reliable method of transporting hydrogen by road.

Key Benefits

- Up to 3.9 t payload
- >10 days holding time
- Low total cost of ownership
- Global service network (Chart Industries)
- 60+ years LH₂ trailer experience

Technical Specifications

- Herose valves
- Flowcom measurement system
- Integrated vaporizer for high delivery rates
- Onboard storage (He bottles, gas heater, power cables)
- Stainless steel construction
- Custom MAWPs & P&IDs
- Ergonomic layout
- Foldable cabinet doors
- Custom chassis configuration

Setting the Global Standard

When safety, compliance, and reliability matter most, Chart sets the global standard in liquid hydrogen transport.

Innovating the Future of Cryogenic Transport

Chart Industries continues to expand its global portfolio through strategic acquisitions, including Howden, strengthening our ability to deliver integrated solutions for hydrogen, LNG, carbon capture, and water treatment.

Our portfolio also includes advanced liquid helium ISO intermodal containers, engineered to reduce boil-off gas and evaporation losses—ensuring efficient, safe, and reliable transportation.

Hydrogen Energy

With Chart's deep cryogenic expertise and Howden's proven compression technology, we are your ideal partner for delivering both gaseous and liquid hydrogen solutions across the entire value chain. Hydrogen presents unique challenges in safe and economical storage and distribution. By integrating the core capabilities of Chart and Howden, we've developed highly innovative solutions that prioritize safety, reliability, availability, and footprint optimization—while ensuring the lowest total cost of ownership for our customers.

Complementing this expertise, Gofa—manufactured in Germany—brings over 55 years of field experience in trailer production.

In the last decade alone, Gofa has built more than 2,500 trailers, including over 500 LNG units. Notably, this growth has been achieved without expanding their workshop footprint, underscoring their operational efficiency and manufacturing excellence.



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