

HYDROGEN REFUELING SOLUTIONS



About Resato Hydrogen Technology

Resato Hydrogen Technology is driving the future of zero-emission mobility with innovative hydrogen refueling stations for trucks, buses and cars. With over 30 years of experience in high-pressure technology, we are committed to delivering our customers a flawless fueling experience.

Our engineering DNA has brought amazing results: hydrogen refueling stations with unparalleled reliability and performance. We aim for the highest efficiency and up-time and most competitive Total Cost of Ownership

We are engineers at heart, with the drive of a fast-growing global player. Ensuring seamless, back-to-back refueling, our scalable and cost-efficient solutions are perfectly tailored to meet the growing demands of the hydrogen economy.

As pioneers in hydrogen technology, we proudly design and manufacture nearly every component of our stations in-house, leveraging Resato's own innovations. By educating and training our team internally, we maintain a deep understanding of hydrogen fueling technology.

Our goal is clear: to lead the future of clean and sustainable mobility. Driven by our passion for performance, we aim to become the leading technology partner for hydrogen refueling stations.



Why invest in hydrogen mobility?

Hydrogen is becoming increasingly important as a clean and sustainable energy source. With the growing focus on emission-free mobility, the demand for hydrogen is rising rapidly, especially in sectors like transportation and industry. Investing in hydrogen refueling stations is therefore a smart move: it supports the transition to cleaner energy and meets an increasing market demand, offering both environmental benefits and economic advantages.

Hydrogen not only offers a clean energy solution but also reduces grid congestion, making it an essential part of the energy mix and a key enabler for the transition to a sustainable energy future.





Our mission



Powering a greener future through
our refueling solutions:

Cutting 155 megatons of CO₂
by 2030 — the same as eliminating a
full year of emissions of a city like Istanbul!

Our Company History

2025

- › European Investment Bank (EIB) backs Resato with a €25 million venture debt facility

2024

- › Sold over 60 Resato hydrogen refueling stations in Europe
- › Launch Tube Trailer Filling Station

2023

- › Building hydrogen refueling stations for major players in Sweden, Germany, France and the Netherlands.

2022

- › Launch of the Ultra High Capacity Station

2020

- › Building two hydrogen refueling stations in the north of the Netherlands
- › First public hydrogen refueling station in Germany

2019

- › Awarded with subsidy from the European Regional Development Fund ERDF
- › First Dutch full sized hydrogen refueling station for The Hague

2018

- › Opening of first hydrogen refueling station in northern Netherlands

2016

- › Developed Hydrogen Booster

2015

- › Winner of the Erasmus Innovation Award

2014

- › Pindustry acquires majority share in Resato

1991

- › Founding of Resato

Why choose Resato Hydrogen Technology?

**30
YEARS**

Experienced partner

Over 30 years of experience in high pressure technology.



Technology owner

We proudly design and manufacture nearly every component of our stations in-house, leveraging Resato's own innovations.



Thought leadership

Tremendous in-house knowledge about hydrogen. Moreover, with our own academy we share our knowledge about H₂ and collaborate with local universities and governments.



Safety is our top priority

We continuously conduct thorough risk assessments to ensure safe operations.



Passion for performance

With our large team of dedicated experts, we continuously drive innovation and improvement.

24/7

Instant support, anywhere in Europe!

Our trusted service partners across Europe are always ready to assist you.

Our H₂ refueling solutions

- › **FSS Full Sized Station:** Public fast-fill hydrogen refuel station (HRS) for the growing hydrogen mobility market. Refueling of buses and trucks at 350 bar, as well as FCEVs at 700 bar.
- › **FOS Fleet Owner Station:** Perfect fit for fleet owners, governments, and entrepreneurs. It provides an efficient way to refuel FCEVs with hydrogen at 700 bar.

Our H₂ filling solutions

- › **TTFS Tube Trailer Filling Station:** A scalable solution for filling hydrogen tube trailers, designed to meet the needs of the rapidly evolving hydrogen economy.





>95%

Flawless fueling experience

We ensure highest possible uptime > 95 %.



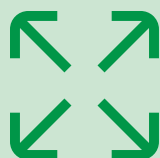
Competitive TCO

Total Cost of Ownership of a Resato hydrogen refueling station is one of the most competitive in the market.



No need to wait

We offer back-to-back refueling solutions for cars, trucks, buses, and other forms of public transportation.



Scalable solutions

Modular technology that is easy to adapt in case your demand increases.



Full-Sized Station (FSS)

A future-ready public hydrogen refueling station for LDVs and HDVs



Applications

- › Public hydrogen refueling stations: Ideal for expansion of hydrogen infrastructure
- › Efficient refueling for trucks, buses and cars
- › Transport hubs for heavy vehicles

This solution is ideal for both light-duty and heavy-duty vehicles (LDV and HDV), providing continuous refueling capacity and high reliability. Combining a modular design, energy efficiency, and compliance with international standards, the FSS offers a future-ready infrastructure for the hydrogen market.

Key Benefits



High Capacity

Ability for back-to-back refueling for buses, trucks and cars up to 2000 kg of hydrogen per day.



Energy Efficient

High efficiency with sustainable cooling systems (GWP <3).



Flexible Supply Options

Supports various hydrogen sources, from gas cylinders to electrolyzers.



Reliability

High reliability (>95%). Conforms to SAE J2601/5 and AFIR.



Fleet Owner Station (FOS)

An efficient solution for fleet owners and small businesses

Applications

- › Fleets and distribution centers: Ideal for companies with a company owned fleet
- › Taxi fleets
- › Transportation companies: Supports the refueling of trucks and vans at dispatch hubs

The Fleet Owner Station (FOS) provides an efficient solution for refueling FCEVs (Fuel Cell Electric Vehicles) with hydrogen at 700 bar. The FOS is ideal for fleet managers, governments, and entrepreneurs aiming to establish hydrogen infrastructure.

Key Benefits



Compact Design

Small space requirements, only 16 m² needed.



Flexible Hydrogen Supply

Supports various sources, including gas cylinders, electrolyzers, or pipeline.



Easy Relocation

Can be moved within two days using forklift slots, ideal for network expansion.



Reliable Performance

Consistent, safe hydrogen compression and delivery at 350 and 700 bar.







Tube Trailer Filling Station (TTFS)

The missing link in the hydrogen value chain



Applications

- › Local energy hubs
- › Filling of H₂ tube trailers

TTFS is a scalable solution for hydrogen tube trailer filling, tailored to meet the demands of the rapidly evolving hydrogen economy. Hydrogen is often produced locally, frequently near solar farms, and transported via tube trailers. The Tube Trailer Filling Station (TTFS) is key to efficiently delivering hydrogen from local production facilities to hydrogen refueling stations, acting as the missing link in the hydrogen supply chain.

Key Benefits



Scalability

Supports capacities from up to 30MW, with expandable filling points up to 14 bays.



Flexible Pressure Levels

Safe fillings from 200 to 500 bar.



Energy Efficiency

Designed for dynamic operation depending on electricity prices.



Low Maintenance Costs

Innovative sealing technology extends maintenance intervals.

Innovation starts here



Ultra High Capacity Station (UHCS)

The new standard for continuous hydrogen vehicle refueling

Our passion for performance drives continuous innovation. With a dedicated team of experts, we are actively working on the development of the Ultra High Capacity Station.

Under development

Applications

- > Large public transport companies
- > Logistics hubs with heavy vehicles

UHCS is a groundbreaking solution for the heavy mobility market, designed to support continuous refueling with a modular and scalable setup.

Key Benefit



Ultra-High Capacity
Supports 2,000 to 11,400 kg of hydrogen per day.



Our Projects



Hypion

Hypion Neumünster's first scalable hydrogen refueling station has a capacity of 2,000 kg hydrogen per day, due to two 350 bar dispensers and one 700 bar dispenser. Located on the German A7 motorway.

TotalEnergies

The innovative, AFIR (Alternative Fuel Infrastructure Regulation) – compliant H2 public refueling facility offers fast, parallel hydrogen refueling for heavy-duty vehicles with tank capacities exceeding 60 kg, accommodating both 700 bar and 350 bar systems.



H₂Apex

This new station is specifically designed to quickly and efficiently provide hydrogen to buses from the regional transport company Rebus Regionalbus in the German city of Rostock.

This station will service a fleet of 52 hydrogen buses and will feature the latest advancements in hydrogen refueling technology, ensuring rapid and safe refueling operations.

Turning ideas into reality - Scan to learn more! ▶▶▶





How can we fuel your project?



Get in touch with our sales team

Reach out to our experienced sales department, our team is ready to assist you with all your inquiries and inform you about available subsidies and regulations.

Contact us at: sales@resato-hydrogen.com



We provide you with technical details and comprehensive information

Let us provide you with detailed insights, tailored materials, and the technical expertise you need to make informed decisions about our solutions.



Work with a dedicated Resato expert

From the moment you connect with us, a dedicated Resato expert will be assigned to guide you through every step of the process. Whether it is answering your questions, assisting with customization, or ensuring seamless implementation, we're here to support you every step of the way.



Let's create a future
of zero emission
mobility together

Resato

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