

# Hydrogen Storage Systems



Flexible solutions

Rapid lead times

Best value

## Tailored. Trusted. Built for Storage.

- **Turnkey systems:** Custom hydrogen storage packages—cascade banks, buffer tanks, tube trailers, or stationary vessels—engineered to your exact use-case.
- **Accelerated supply chain:** Partnerships with 12+ qualified manufacturers worldwide secure fast production and resilient component availability.
- **Versatile applications:** Ideal for refueling back-end storage, production buffers, peak-shaving, or fuel-cell backup power.

## Appropriately Scaled. Problem-Free.

- **Fit-for-purpose designs:** Eliminates over or undersizing, cutting waste and cost.
- **Lower CAPEX per kg:** Achieved through smart vessel selection and modular expansion paths.
- **Regulatory clarity:** Designs can meet ASME VIII, DOT 3AAX, UN ISO 11120, PED, and TÜV requirements—reducing approval delays.

## Your Storage Partner

With more than six decades in high-pressure pneumatics and hydraulics, we deliver end-to-end storage solutions—engineering, fabrication, testing, and field service. Count on us for sizing studies, code compliance, installation support, and lifecycle maintenance, all through a single point of contact.

### 65+ Years of Integration

We've successfully designed and deployed thousands of high-pressure gas systems (up to 1,000 bar / 15,000 psi) worldwide.

### Global Manufacturing Network

We have access to over 50 trusted vessel, valve, and manifold suppliers ensuring competitive pricing and redundancy.

### Fast Turnaround & Competitive Pricing


With a large in-stock inventory (\$4MM+) and flexible logistics, we are able to cut lead times from months to weeks.

### Compliance & Safety

We design to adhere to ASME, DOT, TÜV/PED, ISO 14687, and local fire codes—backed by full documentation and third-party inspection.

Schedule a consultation today to discuss your hydrogen storage needs!

 TotalHydrogen.com

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