



HyFIVE – a mobile H₂ storage

The modular hydrogen storage system "HyFIVE" is designed for efficient transport and storage of hydrogen, enabling flexible, reliable, and scalable supply across various applications. It allows refueling of up to 45 kg at 350 bar at conventional hydrogen refueling stations and supports both mobile and stationary use cases.

HyFIVE key features:

- Transportable with a light-duty vehicle (<3.5 tons)
- B/BE driver license with basic ADR training required
- Filled to 350 bar, the HyFIVE can transport 45kg of Hydrogen
- An optional integrated supply panel is available, providing hydrogen for fuel cell applications at an output pressure of 10–20 bar.
- Swap Body: HyFIVE can be easily removed via twistlock mountings, allowing other bodies to be mounted on the same platform.



HyFIVE enables a flexible and secure hydrogen supply for a wide range of applications.



Filling at HRS
(350 bar)



Transport: Integrated on a
dedicated vehicle or on trailer,
Twistlock mounting / swap body



H₂ bundle replacement



Industry delivery



H₂ supply for small HRS



Charging and power
with Kvyreen



Specifications ¹	Unit	HyFIVE
Cylinder type ²		FORVIA Composite Type III
Layout		Single bank with 5 cylinders
Working pressure (15 °C)	bar	350
H2 Capacity at Working pressure	kg	45
Total weight (approx)	kg	1400
Outlet Connection		W30x2 LH ISO 5145
Filling interface		H35MF receptacle ISO 17268
Dimensions (LxWxH)	m	2.4 x 1.5 x 1.6

¹ Specifications are preliminary and non-binding

² Metal liner with composite wrapping

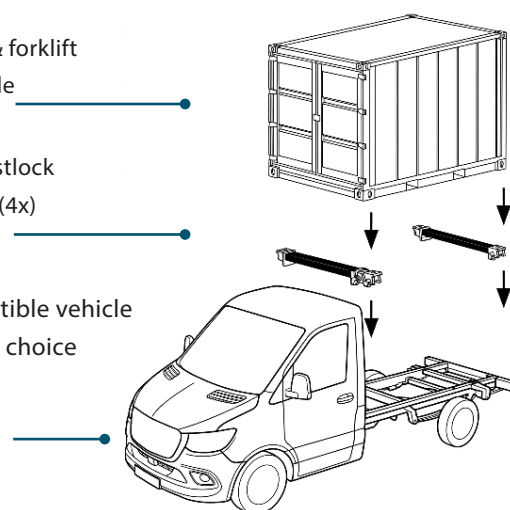
Swap Body System



Crane & forklift
operable

ISO twistlock
system (4x)

Compatible vehicle
of your choice



Get in touch for more information:
info@h2energy.ch

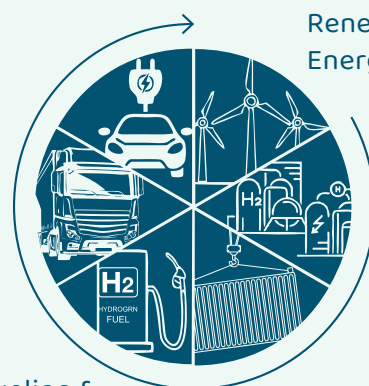
HyFIVE is a product from



We are H2 Energy, a Swiss company specialized in the development and implementation of hydrogen technologies, products and ecosystems. We provide services to support the production, storage and logistics of green hydrogen and engage with our partners to integrate hydrogen based solutions into energy and mobility applications. Through our products and services we aim to support the transition towards a sustainable and emissions free future.

Applications

Refueling &
Storage



Production &
Logistics

