

MACH₂ Mobile Refueler

Combination hydrogen dispenser & high-capacity trailer

- ✓ Cost-Effective
- ✓ Smart
- ✓ Safe
- ✓ Scalable

With a refueling speed of up to 3.6 kg/min, which is doubled to 7.2 kg/min when paired with an external chiller, it can completely refill a hydrogen bus or truck in about 10 minutes*, leading the industry as a fast and safe solution for refueling hydrogen fleets. This solution cuts the estimated cost of investing in hydrogen delivery and dispensing by up to 50%.**



An electrically actuated control system and automated operations save time, increase productivity, and bolster operations efficiency, without the need for a fixed hydrogen refueling system. The system is intrinsically safe and SMART - equipped with a secure Asset Performance Management (APM) system enabling low-cost, high-reliability O&M services and real-time asset monitoring.

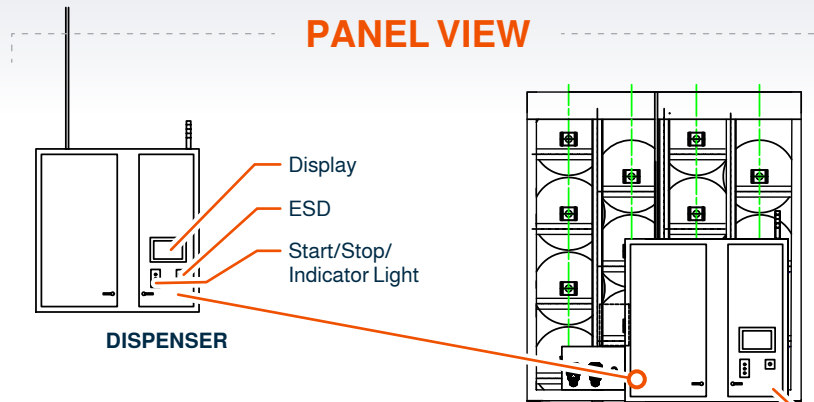
This refueler supports a flexible, modular hydrogen system that scales easily with your needs (from a few vehicles to hundreds), without the required time and investment of permanent infrastructure. Whether you are readying your first hydrogen refueling solution or expanding existing systems, the MACH₂ Mobile Refueler is the most efficient, reliable, and cost-effective solution available.

FEATURES:

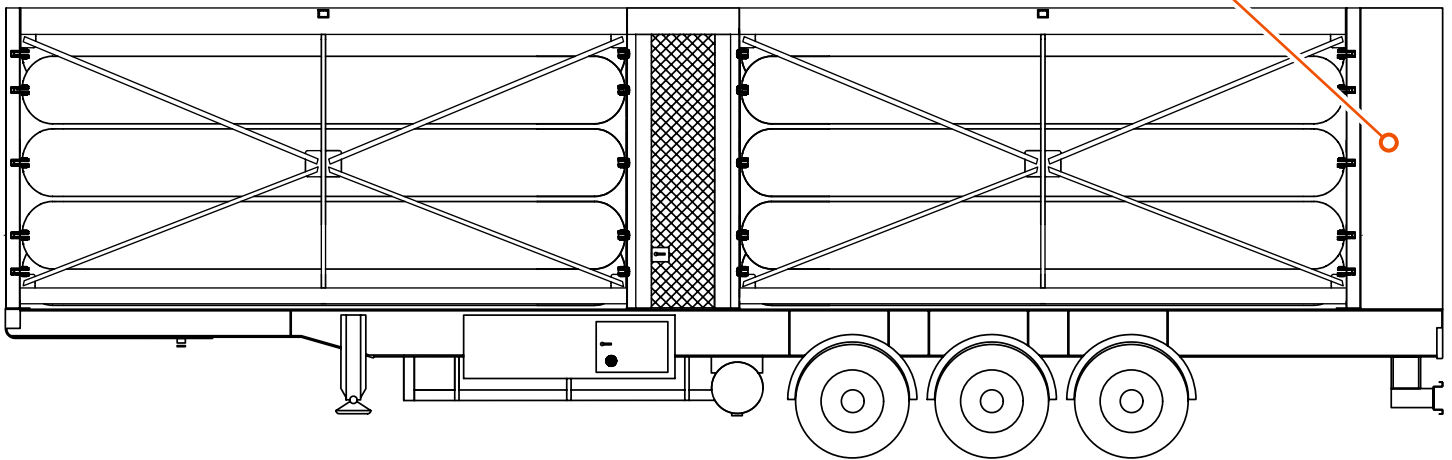
- 35% - 50% more cost-efficient than refueling alternatives
- Eliminates need for onsite compression, reducing potential downtime and energy costs
- 3.6 kg/min vehicle refueling rate
- Flexible and rapidly deployable
- Onboard storage capacity of 1,312 kg at 540 bar
- Automated system operations including vehicle fueling protocol and hydrogen hazard detection
- Enables direct cascade refueling of vehicles
- No external power or cooling necessary - eliminating expensive grid interconnects and civil works
- Seamlessly integrates with hydrogen generation systems
- Equipped with secure Asset Performance Management (APM) system

* Based on 3.6 kg/min refueling speed and average tank size of 30-40kg.

**Levelized cost compared to standard fixed hydrogen refueling systems (approx. 50% savings) and alternative mobile refueling systems available (approx. 35% savings).



MOBILE REFUELER SIDE VIEW



Working Pressure	540 bar
Refueling Speed	3.6 kg/min
Total Hydrogen Capacity	1,312 kg
Gross Weight	62,000 lbs. (max)

Dimensions (LxWxH)	53' x 8.5' x 13.42' (max)
Power Supply	Primary: Onboard Battery Back-up: H2 Fuel Cell
Temperature Limits:	Environmental: -4° to 113° F Process: -40° to 149° F

FOR MORE INFORMATION, CONTACT:



Marcello Todaro
 Head of Commercial Development, North America
 marcello.todaro@lifteh2.com
 (515) 766-8456

