

# MACH<sub>2</sub> 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 MACH<sub>2</sub> 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 1,330 kg at 550 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).

