



H2 RE- FUEL



H2 Refueler

Empower Your Mission With True Hydrogen Independence

Reliable. Scalable. Field-Ready.

The H2 Refueling Station delivers hydrogen autonomy at the tactical edge. Engineered for rugged performance and rapid deployment, it produces and stores high-pressure hydrogen from potable water and portable power sources – unlocking true energy independence in any environment.



<p>Key Features</p>	<p>ON-DEMAND HYDROGEN PRODUCTION Generate hydrogen from water and power, anywhere</p>	<p>RAPID REFUELING CAPABILITY Fill 20L cylinders in 5.5 hours</p>
<p>COMPACT, MOBILE DESIGN Modular trailer-mounted for fast setup & transport</p>	<p>RESILIENT POWER SUPPLY Multi-source power for continuous refueling in austere environments</p>	<p>OPERATIONAL EFFICIENCY Automated controls, quick purge cycles, & minimal maintenance</p>

System Specifications

Hydrogen Generation Rate	500–1000 NL/hr
Output Pressure	300 or 350 bar
Water Tank Capacity	38.5 L
Water Consumption Rate	400–800 mL/hr
Water Filtration Rate	23.6 L/hr
Runtime per Full Water Tank	48–96 hours
Fill Time (5L / 20L Cylinder)	3 hr / 5.5 hr
Trailer Estimated Weight	5000 lbs (trailer version)
Battery Capacity (optional)	42 kWh



Key Benefits

SELF-SUFFICIENT H2 GENERATION

Produce and store hydrogen on-site for continuous operations

DEPLOYABLE ANYWHERE

Compact case system or towable trailer for tactical flexibility

SUSTAINABLE & CLEAN

Zero emissions, low water usage, and reduced operational footprint

SMART AUTOMATION

Integrated control system ensures safe, efficient performance

MULTI-MISSION ADAPTABILITY

Ideal for UAV refueling, remote operations, and mobile energy needs

Wherever the mission leads — the Refueling Station ensures hydrogen is always within reach.

