

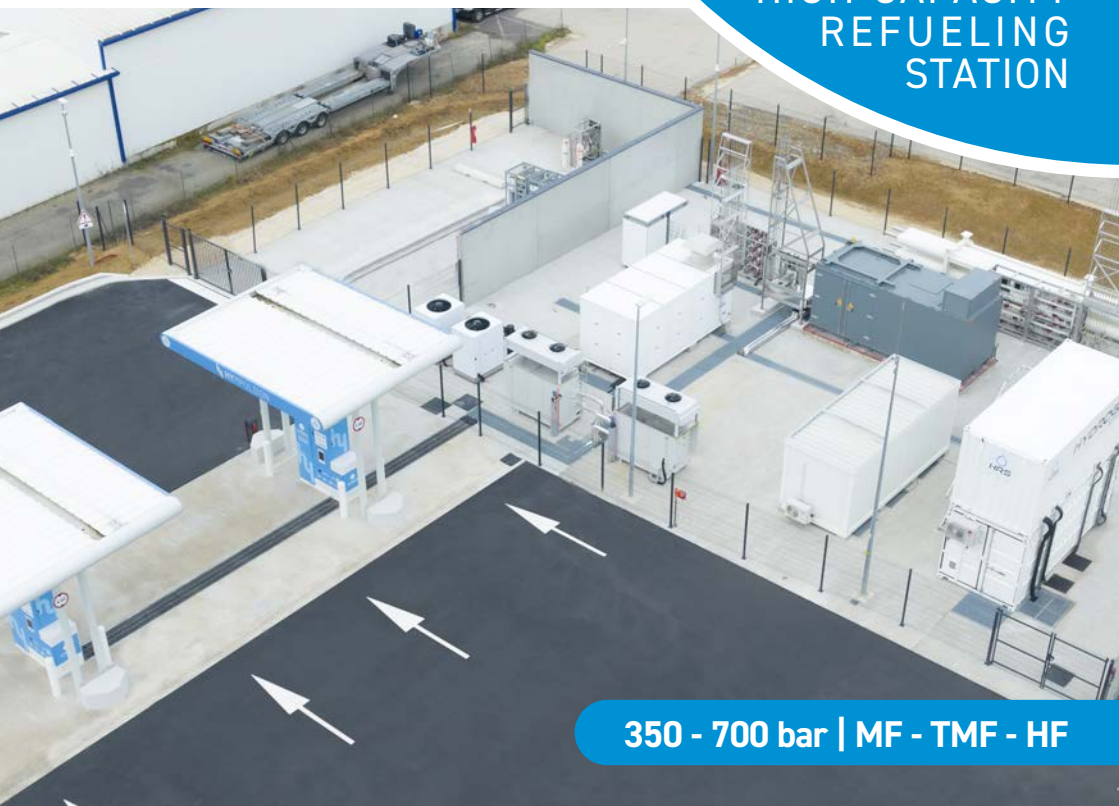


HYDROGEN REFUELING SOLUTIONS

HRS40

UP TO 1.4 TON H_2 /DAY

HIGH-CAPACITY
REFUELING
STATION



350 - 700 bar | MF - TMF - HF

FULL SERVICE MAINTENANCE

24/7/365 in-house expert
engineers assistance

Real-time data monitoring
In-house control room

Preventive & corrective
maintenance 1/2/3/4

SAFETY

Proven and safe design
ISO 14687-EN 17124-IEC 61511-ISO 19880
SAE J2601-1/5 compliance

REDUNDANCY

Two bi-pressure dispensers
(350 bar - 700 bar)

RELIABILITY

Duplicated high pressure
compression and distribution lines

MODULARITY

Possibility to upgrade the capacity
up to 4t/day (350 bar)

HRS40



TURNKEY OFFER: PRODUCTION + INSTALLATION + COMMISSIONING

Hydrogen source (inlet pressure)		Electrolyser (30 bar) Trailer (500 bar)	
Compression capacity per hour (kg/hour)		40 / 60	
Distribution capacity per day (kg/day)		960 / 1400	
Dispensers		2 (additional is optional)	
Simultaneous refueling		✓	
Light Duty fueling duration ⁽¹⁾	H70	3 - 4 min	for ~5 kg
Heavy Duty fueling duration ⁽¹⁾	H35 HF	8 - 12 min	for ~30 kg
	H70	25 - 35 min	for ~35 kg
	H70 MF	15 - 25 min	for ~50 kg
	H70 TMF Toyota ⁽²⁾	10 min	for ~50 kg
	H70 HF RHeadHy ⁽³⁾	10 min	for ~100 kg
Process area (excluding H ₂ source)		from 290 m ²	
Active power		474 kW	
Compressor quantity		3	
Storage pressure level		MP (500 bar) - HP (930 bar)	
Compression and distribution chillers		✓	
Data monitoring & Control System		✓	
Approval & Certifications		CE, PED, ATEX, CEP	
Payment solution (IFSF, OIML R139 compliant)		Optional	
Maintenance (level 1/2/3/4, 24-hour on-call duty)		On request	

(1) According to SAE J2601 and WENGER protocols. Masses given for information purposes only - (2) Twin nozzle refueling: joint development between HRS, Toyota Motor Europe and Engie - (3) Available in 2026 - The RHEADHY project received funding from the Clean Hydrogen Partnership under grant agreement no. 101101443 with backing from the European Union's Horizon Europe research and innovation programme. This document is for informational purposes only, specifications are subject to change. Contact HRS for more information - Credit: Enable Production - Nov. 2025



ZAC du Saut du Moine
38800 Champagnier, France



www.hydrogen-refueling-solutions.com



+33 (0)4 76 14 07 78



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