



PRECISION-ENGINEERED
FOR A SUSTAINABLE
TOMORROW



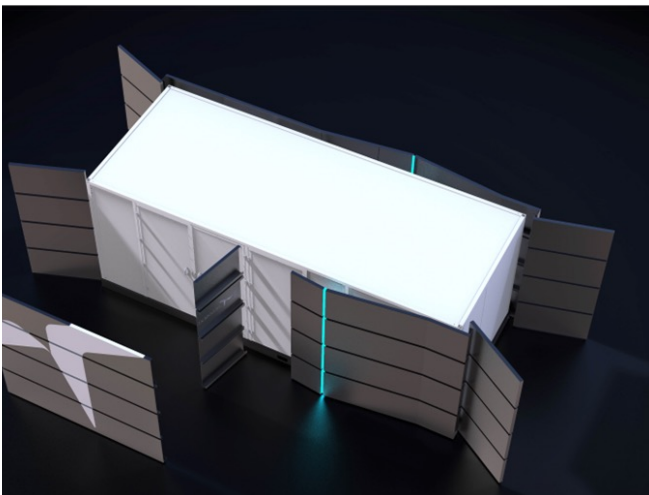
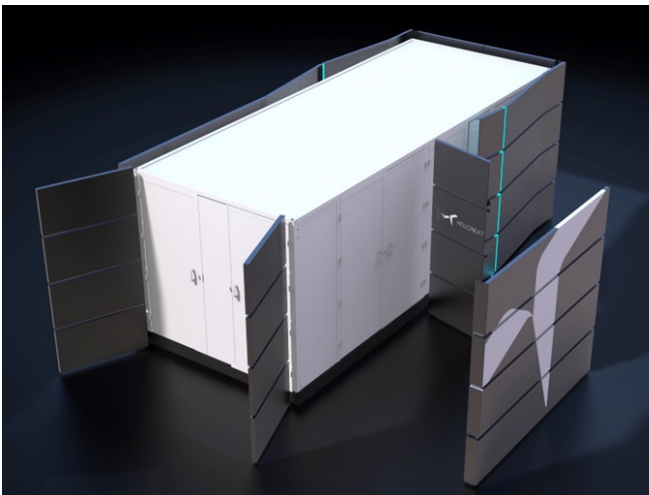
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REDEFINING
HYDROGEN REFUELING

WELCOME TO THE FOREFRONT OF HYDROGEN REFUELING.

UNRIVALED FLEXIBILITY AND CUSTOMIZATION CORE H₂



CORE H₂, conceived and crafted by Hellonext, is the central control unit for Hydrogen Refueling Stations (HRS), designed to manage the intricacies of supply and dispensation with unparalleled precision and reliability.

It embodies the essence of Hellonext's innovative spirit, merging the forefront of hydrogen technology with operational simplicity.

ADAPTIVE INNOVATION: THE CORE H₂ MODULAR SYSTEM

Discover the unrivaled flexibility of the CORE H₂, designed to meet the needs of both burgeoning enterprises and expansive public installations. With its versatile framework, CORE H₂ provides the perfect balance between operational efficiency and expansive service capability.

ADAPTABLE TO MEET EVOLVING DEMANDS

PRESSURE PROFICIENCY

CORE H₂'s compression unit is engineered to operate across a spectrum, accommodating 350 bar for public transportation/heavy vehicles and 700 bar for light/private vehicles, with the capability to reach up to 900 bar for diverse application requirements.

MODULARITY FOR GROWTH

The scalable nature of CORE H₂ allows it to grow alongside your business, offering modular components that can be tailored for expansion, ensuring that your investment is future-proof.

CUSTOMIZATION THAT REFLECTS YOUR BRAND

BRAND ALIGNMENT

With customizable exteriors, CORE H₂ stations can be designed to resonate with your corporate identity, enhancing brand visibility and customer trust.

OPERATIONAL VERSATILITY

CORE H₂'s ability to accept hydrogen from multiple sources, including tube trailers or onsite electrolyzers, ensures a consistent and reliable supply regardless of location or scale.

CORE H₂'s design integrates advanced safety features and precision-controlled operations, setting a new benchmark for reliability and trust in the hydrogen refueling sector.

ADVANCED SAFETY AND EMERGENCY PREPAREDNESS

Emergency Readiness: Featuring a robust UPS, CORE H₂ is designed to maintain critical operations for 24 hours without external power, ensuring seamless service availability.

Comprehensive Safety Compliance: Meeting rigorous international standards such as SAE J2601, SAE J2799, and ISO 19880, CORE H₂ represents a new era of trusted operations in hydrogen fueling.

PRECISION-CONTROLLED FOR PEAK PERFORMANCE

Automated Efficiency: Equipped with a state-of-the-art control system, CORE H₂ automates the fueling process with precision, managing the intricate balance between supply and demand.

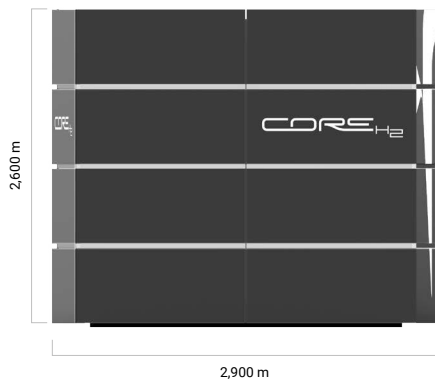
Engineering Marvel: Each CORE H₂ unit is an exemplar of engineering, strategically designed with ATEX and non-ATEX zones, ensuring optimized and secure operations.

REMOTE MANAGEMENT AND PROACTIVE MAINTENANCE

Cutting-Edge Monitoring: CORE H₂'s advanced supervision capabilities allow for comprehensive remote station management, ensuring top performance and immediate responsiveness.

Predictive Maintenance Insights: Intelligent diagnostics alert to maintenance needs before they become critical, reducing downtime and extending station longevity.

DIMENSIONAL SPECIFICATIONS



N° Daily/Kg	Pressure	Type	Size
200	H70	1FP	Small
200	H35	1FP	Small
200	H35 + H70	2FP	Small
400	H35	1FP	Medium
400	H35 + H70	2FP	Medium
1,000	H35	2FP	Big
1,000	H70	6FP	Big
1,000	H35 + H70	3FP (2H35+1H70)	Big

These are the settings proposed by Hellonext for an HRS type. The hydrogen supply method may vary in some of these configurations, depending on the type of installation, which can be via tube trailer or electrolyzer. For large supplies, we prefer electrolyzer supply, as an alternative to trailers.