

Making Green Hydrogen Safe, Abundant and Affordable, for a New Economic, Social, Cultural and Healthcare Renaissance
A Revolutionary Suite of Green Hydrogen Solutions to the Energy Transition Challenge
Breaking Free from Fossil Fuels, Rare Earth Minerals and Energy Monopolies without Public Incentives or New Infrastructure

Italian multinational company Sedes H is **revolutionising green hydrogen production, distribution and consumption technologies**, charting a path towards a renaissance in the energy, building, transport and health & wellness sectors.

Engineered entirely in Italy, the company's innovative solutions can **slash the cost of green hydrogen** by eight times compared with current average prices, offering clean, safe and efficient alternatives with virtually no limits on production volumes.

Sedes H's **green hydrogen**, available at a **cost of just less than €1/kg**, is **produced both chemically and electrolytically** thanks to a unique technology based on innovative artificial molecules – which the company calls 'XYZ'. **This technology allows inert hydrogen to be stored at room temperature and normal pressure**, ensuring safety and efficiency in distribution as well as consumption.

Available immediately in the form of an inert hydrogen tank (Inert Tank), the Sedes H solution for mobility can be installed in electric cars (together with a fuel cell) and in petrol, diesel and LPG cars where the green hydrogen mixes with conventional fuels in the combustion chamber, fully purifying exhaust emissions, with water vapour the only byproduct. In the future, the hydrogen can also be used to power ships and aircraft, ensuring low refuelling costs and negligible environmental impact.

Sedes H's comprehensive product range includes:

- A **chemical generator for the green hydrogen (Pot)** available in 'Small', 'Medium' and 'Large' versions for the residential, commercial and industrial markets
- An **Inert Tank** for storing and transporting inert hydrogen at room temperature and normal pressure, for the construction and transportation sectors
- A system (working name: **Carbon Natural Hydrogen House**) that combines the electrical input provided by solar paint (Sedes H's proprietary formula) first with an electrolytic cell for hydrogen generation and then with a fuel cell
- Solutions for **heating, air conditioning** and **hydrogen therapy for wellness** treatments.

A company on a mission

The company's mission is to overturn our current reliance on fossil fuels, rare earth minerals and energy monopolies by using its innovations to solve the challenge of the ecological transition.

Launched in 2026 after a decade of intensive research and development, Sedes H is now a Benefit Corporation poised to structure equity packages aimed at financial macro-entities such as sovereign wealth funds, private equity and venture capitalists, as well as national industrial groups, SMEs and small entrepreneurs, including professionals and savers looking for a profitable investment that reflects their ethical and social values.

Timeline

2026-27: International fundraising and strategic partnership phase involving sovereign wealth funds, private equity firms, venture capital investors, industrial groups and institutional stakeholders

Late 2020s: designed to power homes, public buildings, industrial facilities and transport systems, enabled by simplified logistics and seamless integration with existing fleets and energy distribution networks

Late 2020s: Launch of next-generation hydrogen therapy solutions for the health & wellness sector

2030: Planned listing on the Nasdaq

Early 2030s: Expansion of operations across all major global markets

Early 2030s: Debut of first fully hydrogen-powered car, including at least one widely affordable mass-market model priced between €15,000 and €20,000

Greenwashing and the global emergency

The global scenario makes Sedes H's mission even more pressing. Greenhouse gas emissions continue to rise, causing extreme weather events and fuelling geopolitical tensions over control of fossil resources and the rare earth minerals that are essential for existing green technologies. Despite international commitments such as the Paris Agreement and the European Green Deal, the renewable solutions available today are often expensive, inefficient, and dependent on scarce, polluting materials.

The current hydrogen market is still dominated by grey H₂ (generated from fossil fuels) and hampered by sky-high average prices (€7.72/kg). Green hydrogen, generated through electrolysis powered by renewables, is a truly clean form of H₂. However, its production virtually ground to a halt in 2024, making up just 1-2% of the total; in addition to uncompetitive costs, hydrogen has come up against distribution, storage and safety problems, not to mention regulatory uncertainty and investment risks.

“Sedes H's green hydrogen is a gamechanger in the global energy race”

said **Gioele Magaldi, CEO and Chairman of Sedes H**. “We are committed to providing free, affordable and accessible energy for all, eliminating the world's reliance on energy monopolies and geopolitical dynamics. What makes us unique is our range of cost-effective solutions for both developing and industrialised nations. Our technology delivers a stable, virtually unlimited supply of energy, while adhering to stringent safety measures in hydrogen transport and storage”.

Magaldi continues: “Our goal is to forge strategic partnerships with governments, institutions and companies to facilitate the adoption of our technology at a local, national and global level. We aim to scale fast, through advanced logistics and acquisitions that will enable rapid growth. Our technology demonstrates that not only can the energy transition be sustainable, but it can also be an economically viable proposition for investors, companies and consumers.”