



SIAD and Brembo invest in Hydrospark forging a new strategic alliance for hydrogen

*Two industrial leaders acquire a share in the innovative Italian start-up
to accelerate the energy transition*

Bergamo (Italy), 6 October 2025 – **SIAD** and **Brembo** have announced their investment in **Hydrospark**, a start-up supported and launched by **Petroceramics**, which is specialized in the development of advanced technology for **hydrogen energy production and storage**.

The agreement foresees an equal investment up to €1 million from each company. For SIAD – an international group active in Industrial Gases, Engineering, LPG, Natural Gas and Healthcare sectors – and Brembo – the global leader in braking systems, investing through its venture capital unit, Brembo Ventures – **this investment underlines the technological and industrial value of Hydrospark**.

Hydrospark brings a major innovation into the sector: a modular, scalable platform built **on proprietary ceramic materials** and optimized manufacturing processes, enabling the production of Solid Oxide Cells with higher energy density and reduced manufacturing costs.

Solid Oxide Cells, developed by Hydrospark, produce electricity and heat from hydrogen with high efficiency and zero emissions. They can also convert renewable energy into hydrogen, providing an advanced solution for sustainable energy storage.

This technology is considered one of the most promising for decarbonization of the industry and mobility, and represents a fundamental step into the construction of an efficient and sustainable hydrogen supply chain. Hydrospark will operate in this field, with a vision strongly oriented towards scientific research, industrial scalability and environmental responsibility.

The start-up has already achieved significant industrial milestones and established collaborations with international partners. By its second year of operations, it aims to break-even and achieve an annual production capacity of one million cells.

“Welcoming two highly prestigious private companies into our shareholder base represents a key strategic step. This investment will allow us to validate our technology in an actual production facility, while seizing the opportunity to grow and position ourselves as a leading player in the hydrogen market.”

— **Fabrizio Gualandris**, CEO of Hydrospark



“Our investment in Hydrosark is fully aligned with SIAD’s long-term vision: driving the energy transition through innovative technologies.

Hydrogen is a key enabler for a decarbonized future, and Hydrosark brings together industrial expertise and technological vision in a truly pioneering project.

At the SIAD Group, we believe that collaboration among Italian centers of excellence can create lasting value for the industry and for future generations.”

— **Bernardo Sestini**, Chairman and CEO of The SIAD Group

“Hydrosark exemplifies the kind of technology-driven innovation that has the potential to create meaningful impact. Our investment reflects a commitment to fostering the growth of dynamic entrepreneurial talent and advancing solutions, including those, like Hydrosark’s, that can contribute to a more sustainable future.”

— **Matteo Tiraboschi**, Executive Chairman of Brembo Group

“Decarbonized clean energy is another important area where Petroceramics applies its expertise and outstanding technological solutions, developed within the field of material science.”

— **Massimiliano Valle**, CEO of Petroceramics SpA

The SIAD Group

SIAD is one of Italy’s leading chemical groups, with a 2024 turnover of over 1 billion euros, 70,000 customers and 2,400 employees worldwide. Founded in Bergamo in 1927, chaired and administered by Bernardo Sestini, it has a strong tradition and experience. The SIAD Group operates in Europe and around the world and is active in **the Industrial Gases, Engineering, Healthcare, Natural Gas and LPG sectors**.

Since its foundation, values such as **Solidity, Innovation, Authenticity and Difference** have enabled the SIAD Group to grow and expand year after year in a responsible and sustainable way.

[Thesiadgroup.com](https://thesiadgroup.com)

Brembo

Brembo leads the world in the design and production of high-performance braking systems and components for top-flight manufacturers of cars, motorbikes and commercial vehicles. Founded in 1961 in Italy, the company has a long-standing reputation for providing innovative solutions for original equipment and aftermarket. Brembo is a key player in the world of racing: for 50 years, it has been the choice of the Teams competing in the most demanding motorsport championships worldwide and it has won more than 700 titles. The company also develops braking systems for mountain bike racing.

Guided by its strategic vision – “Turning Energy into Inspiration” – Brembo’s ambition is to help shape the future of mobility through cutting-edge, digital and sustainable solutions.

With over 16,000 people across 18 countries, 39 production and business sites, 10 R&D centers, 2 Inspiration Labs and with a turnover of € 3,840.6 million in 2024, Brembo is the trusted solution provider for everyone who demands the best driving experience.

www.brembogroup.com



Petroceramics

Petroceramics was founded in 2003 as a spin-off from the Department of Earth Sciences at the University of Milan, in response to the need for structured collaboration between industry and public research institutions in the field of materials science. With a focus on mutual benefit, Petroceramics aims to serve as a meeting point between outstanding know-how and the realities of the manufacturing sector.

Petroceramics is one of the few companies in the world specializing in advanced technical ceramic composites, with innovative and successful applications in the automotive, aerospace, and defense sectors.

Hydrospark

Hydrospark was founded by Petroceramics and Fabrizio Gualandris, holder of three patents in hydrogen technologies. The company has developed significant innovations in solid oxide fuel cells and is committed to combining research with sustainability, aiming to reduce costs and promote the large-scale adoption of renewable energy in support of sustainable development.

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