

## SERMA Energy acquires H2Pulse and expands its energy offering to hydrogen

**Pessac, November 7, 2023 – SERMA Energy, a key player in electric mobility since its establishment in 2018, continues its growth momentum by announcing the acquisition of H2Pulse on Wednesday, October 25th.**

Founded in 2020 by Cyril Gagnepain and Christophe Turpin, H2Pulse is a startup specialized in consulting and innovation. The company designs tools and test benches for gaseous and liquid hydrogen, conducts tests at its Francazal facilities in Toulouse, and provides training, all tailored to client specifications. With a team of 24 employees, its mission is to expedite the transfer of research advancements to the industry in the field of gaseous and liquid hydrogen technologies.

This acquisition marks a significant turning point for SERMA Energy and, more broadly, the SERMA Group, as they are wholeheartedly entering the hydrogen sector to meet the needs of their clients. H2Pulse shares a strong technical DNA with SERMA Energy, and this acquisition generates substantial synergies for both companies. It enables the SERMA Group to expand and enhance its portfolio of offerings in the energy sector with new expertise in this promising hydrogen market. SERMA's strategy is to provide an expertise and testing platform covering a wide range of technologies, thus strengthening its position in the market.

H2Pulse brings SERMA Energy a deep understanding of hydrogen technologies and the associated testing capabilities. The synergies and complementarities of the two companies create new opportunities for growth, particularly for larger-scale projects, both technically and financially, thanks to the strength of the SERMA Group, especially on the commercial front. In the long term, as the hydrogen market reaches a more advanced stage of maturity, it is likely that SERMA Energy will develop a dedicated testing services offering for the hydrogen powertrain, similar to what it has achieved in the field of electric mobility.

Already established in Bordeaux, Paris (Lardy), and Spain (Valladolid), SERMA Energy is now expanding to a fourth location in Toulouse, where the SERMA Group has had a presence for over 20 years. H2Pulse will maintain its roots in the Toulouse region, given the driving role of Occitanie in the hydrogen sector. The organization and locations of the SERMA Group in France, Europe, Tunisia, and the United States will provide the flexibility needed to establish operational sites close to the relevant markets when necessary.

SERMA Energy was assisted in this operation by:

- Apollo Avocats (Florence SAVOURE, Laura SMYRLIADIS, Lara SEBALY, Delphine DILLEMANN, Joris LECLERCQ) for legal and tax aspects,
- NERVAL (Claire SEIGNE) for social audits,
- PKF ARSILON (Carole TONIUTTI, Guillaume LEVEQUE) and Rudy PARIAUD for financial audits.

H2Pulse was assisted in this operation by:

- Maître MARTIN-GOURVAT Agnès for legal aspects,
- Cabinet RIERA LE BOULC'H & Associés for financial aspects.

#### ABOUT H2PULSE

H2Pulse is a startup specialized in hydrogen consultancy and innovation. In collaboration with academic research laboratories, H2Pulse contributes to the transfer of knowledge and research results to the industrial world to design and deploy the hydrogen solutions of the future.

Founded in January 2020, H2Pulse has a team of 24 experts specializing in gaseous and liquid hydrogen. H2Pulse's mission is to assist, expedite, and facilitate the strategic thinking and choices of its clients through:

- Designing and manufacturing custom test tools (hardware and software).
- Conducting customer test campaigns on the H2Pulse site.
- High-tech engineering and preliminary studies.
- Theoretical and practical operational training.

H2Pulse's applications cover various areas, including:

- Electrochemical systems (Fuel Cells, Electrolyzers, etc.).
- Cryogenics (Storage, Distribution, etc.).
- Combustion (Stationary and Mobility).
- Green hydrogen (Biomass, Bacteria, etc.).

[www.h2pulse.com](http://www.h2pulse.com)

#### ABOUT SERMA ENERGY

SERMA Energy is a consulting, expertise and testing platform for energy and supports its clients throughout the value chain. Its resources are designed to meet all current and future standard technologies with power levels that can exceed a megawatt.

SERMA ENERGY offers to manufacturers a complete range of qualitative and normative tests and certifications.

The platform is organised into 3 departments:

- batteries (cells, modules and packs),
- power electronics (converters, on-board or fixed chargers, inverters),
- e-machines (e-motors, powertrains, etc.).

The platform is mainly used for the automotive sector which is faced with the transition from internal combustion to electric motors, but also for all sectors impacted by electrification such as the aviation industry for hybrid and electric planes and the tertiary sector for smart grids for example (energy storage and management smart grids).

[www.serma-energy.com](http://www.serma-energy.com)

#### ABOUT THE SERMA GROUP

SERMA is an independent platform of expertise, consulting, and testing for electronic technologies and embedded systems. It is particularly involved in the design, safety, and reliability of products and data.

Specialized in sectors with severe environmental, reliability, and safety requirements, SERMA is characterized by its culture of technical excellence and its network of experts. SERMA is involved throughout the product lifecycle: from the R&D and design phase to maintenance in operational conditions.

The SERMA Group supports system designers and users in mastering their strategic challenges and is organized around the following 6 complementary business lines:

- Energy
- Electronics technologies
- Systems safety and cybersecurity
- Embedded systems engineering
- Microelectronics
- Telecommunications

The Group employs 1,300 people in 15 sites in France, 2 sites in Germany, 1 site in Tunisia, and 1 in the USA. The Group's turnover in 2022 was 170 million euros.

[www.serma.com](http://www.serma.com)

#### SERMA GROUP – MEDIA RELATIONS

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