

PRESS RELEASE - October 2023

## The SERMA Group signs a new partnership with Renault and doubles its dedicated testing test area for drivetrain of electric vehicles

Pessac, October 18, 2023 - **The SERMA Group, a long-standing partner of Renault, announces a major new milestone in its collaboration with the French carmaker. To keep pace with the strong growth of the electric energy industry e, SERMA is strengthening its commitment to the development of electric vehicles in France.**

For nearly 20 years, SERMA has built a strong partnership with Renault, based on innovation and excellence. To meet the new challenges of electromobility and support Renault's vision of electric mobility, SERMA inaugurates a new 3,500 sqm testing center within Renault's Lardy Technical Center.

This state-of-the-art infrastructure will be dedicated to electric and abuse testing, ensuring the availability of the necessary testing capacity for the electrification of Renault's entire vehicle lineup.

This 7-year partnership reflects a mutual commitment to promote and develop electric vehicles in France, and marks an significant milestone in SERMA's development, nearly doubling its testing and validation capacity dedicated to electric vehicle powertrains.

According to the terms of the partnership, Renault Group will bear the investments for the building transformation, while SERMA Group will invest in state-of-the-art electrical test equipment and facilities.

By integrating SERMA into the site's electrical activities, overall engineering performance is enhanced, particularly in terms of responsiveness and innovation capacity.

The first tests carried out by SERMA in Lardy are expected to start in early 2025.

SERMA, at the Renault Group Technical Centre in Lardy, will have state-of-the-art facilities to carry out several types of tests, including:

*Electrical testing :*

- Testing of energy storage systems: conducted on cycling benches and climate chambers.
- Electric motor testing: reproduction of cycling and characterization of electric motor technologies.
- Power electronics testing on chargers, converters and DC/DC.

*Abuse testing :*

- Study of battery behavior and reactions beyond standard specifications to understand batteries behavior in extreme conditions.
- Generation of feared events: extreme scenarios that could lead to failures or incidents.

**ABOUT RENAULT**

Renault Group is at the forefront of a rapidly evolving mobility landscape. Leveraging its alliance with Nissan and Mitsubishi Motors, along with its unique expertise in electrification, Renault Group capitalizes on the synergy of its 4 brands - Renault, Dacia, Alpine, and Mobilize - to offer sustainable and innovative mobility solutions to its customers.

With a presence in over 130 countries, the Group sold 2.1 million vehicles in 2022. It brings together nearly 106,000 employees who embody its Purpose on a daily basis, striving to bring people closer through mobility.

Ready to tackle challenges on the road and in competition, the Group is committed to an ambitious and value-generating transformation. This transformation is centered around the development of groundbreaking technologies and services, a new range of vehicles that is even more competitive, balanced, and electrified.

Aligned with environmental priorities, Renault Group aims to achieve carbon neutrality in Europe by 2040.

[www.renaultgroup.com](http://www.renaultgroup.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**

Florie BOUSQUIE | Communication Manager SERMA Group | [f.bousquie@serma.com](mailto:f.bousquie@serma.com)