

## Battery performance paris

Paris, October 18, 2024 - At this year's Paris Motor Show, TotalEnergies and Valeo announced that they are strengthening their partnership to include the development of innovative solutions to optimize EV battery performance while reducing the vehicle's carbon footprint.

The partnership has two main objectives:

This partnership restates both companies' commitment to offering innovative solutions for EVs that are more sustainable, safer and more environmentally friendly.

“The partnership between TotalEnergies and Valeo will bring innovations to the thermal management of batteries and EVs by using immersive fluids that enable very rapid charging while preserving battery life. These innovations contribute not just in EV performance, but also in carbon footprint reduction, for even cleaner transport,” said Marie-Noëlle Semeria, Chief Technology Officer, TotalEnergies.

“Since the beginning of our partnership in 2022, the collaboration between Valeo and TotalEnergies has led to faster development of innovative, safe and effective solutions for the thermal management of batteries. We have reached the stage to extend our partnership, which no longer concerns the battery alone, but all parts of the powertrain, in order to maximize thermal optimization. This collaboration is central to Valeo's strategy for innovations that meet the challenges of affordable, reliable, low-carbon EVs,” declared Christophe Delhovren, Chief Technology Officer, Valeo Power Division.

**About Valeo**As a technology company and partner to all automakers and new mobility players, Valeo is innovating to make mobility cleaner, safer and smarter. Valeo enjoys technological and industrial leadership in electrification, driving assistance systems, reinvention of the interior experience and lighting everywhere. These four areas, vital to the transformation of mobility, are the Group's growth drivers. Valeo in figures: 22 billion euros in sales in 2023 | 109 600 employees, 28 countries, 159 plants, 64 research and development centers and 19 distribution platforms at June 30, 2024. Valeo is listed on the Paris Stock Exchange.

**About TotalEnergies**TotalEnergies is a global integrated energy company that produces and markets energies: oil and biofuels, natural gas and green gases, renewables and electricity. Our more than 100,000 employees are committed to provide as many people as possible with energy that is more reliable, more affordable and more sustainable. Active in about 120 countries, TotalEnergies places sustainability at the heart of its strategy, its projects and its operations.

Press Releases/ Announcement



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ProLogium Technology, the global leader in LCB-based next-generation battery innovation, premiered its 100% silicon composite anode battery today (October 14) at the 2024 Paris Motor Show. This cutting-edge battery technology, certified by TÜV Rheinland (Note 1), is also adopted in partnership with Germany's FEV Group to develop a next-generation battery pack, showcasing ProLogium's substantial progress in LCB commercialization and introducing an exciting new concept to the market.

"Our next-generation battery technology effectively addresses many of the challenges in the electric vehicle industry. Our goal is to be a game changer in the market, injecting new energy into the electric vehicle sector," stated Vincent Yang, ProLogium's Founder and Chairman.

The new battery system not only surpasses traditional lithium-ion batteries in energy density and charging efficiency but also addresses critical industry challenges. Its fast-charging capabilities help overcome the shortage of charging stations and improve the residual value of used vehicles. This debut marks ProLogium's accelerated progress towards the commercialization of lithium ceramic batteries, reinforcing its role in shaping the future of the industry.

**Revolutionary 100% Silicon Composite Anode: Breaking Industry Barriers and Driving Innovation**

Contact us for free full report

Web: <https://kary.com.pl/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

