Press Release
July 1, 2024

Ampere leads a groundbreaking battery strategy for Renault Group with LFP technology and cell-to-pack solutions

A STRATEGIC PLAN DRIVING MAJOR TRANSFORMATIONS IN RECORD TIME. PROOF OF AMPERE'S COMMITMENT TO AGGRESSIVELY REDUCE VEHICLE COSTS AND DEMOCRATIZE ELECTRIC MOBILITY IN EUROPE.

- **Ampere integrates LFP (Lithium Iron Phosphate) technology to complement NCM batteries (Nickel Cobalt Manganese) and creates a European value chain, ensuring efficiency and price competitiveness.**
- **With its partner LG Energy Solution, Ampere launches Cell-to-Pack technology (CTP), a world premiere for pouch-type batteries.**
- **With a complete range of batteries for vehicles developed by Ampere, customers get the best autonomy at the best price, depending on their usage.**
- **With these technologies, Ampere will reduce by around 20% the cost of batteries in its vehicles from beginning of 2026.**
- **This plan is in line with Ampere roadmap to reduce costs and improve margins. It confirms its ability to lead major transformations in record time.**

Boulogne-Billancourt, July 1st, 2024 – Ampere, the European intelligent EV pure player, today announced an ambitious battery plan integrating LFP (Lithium Iron Phosphate) technology alongside the NCM (Nickel Cobalt Manganese) batteries currently used by Renault Group.

This decision is an effective and cutting-edge response to market volatility and change in technologies.

Ampere works hand in hand with its suppliers LG Energy Solution and CATL to set up an integrated value chain on the European continent, to ensure the best competitiveness of LFP technology for its vehicles manufactured in Europe. These two partners will provide Ampere with LFP batteries that will equip several models of Renault and Alpine brands and will cover battery needs for this technology until 2030.

Ampere's teams also lead with LG Energy Solution the development of Cell-to-Pack technology. This cutting-edge innovation is a world's first for pouch-type batteries. It improves the range of vehicles by integrating more cells, and therefore more on-board energy, in a given space. Cell-to-pack[1] technology also helps reduce battery costs.

The integration of LFP and Cell-to-Pack technologies will enable Ampere to reduce by around 20% the cost of batteries in its vehicles from beginning of 2026.

[1] Cell-to-pack technology removes the battery modules and integrates the cell directly into the case, allowing more cells in a given space

With four leading battery partners, Ampere is accelerating in a fast-changing environment, and demonstrates the efficiency of its horizontal approach, teaming up with the best in their field:

- **AESC Envision** located within Ampere ElectriCity hub, in Douai (France), for NCM batteries.
- **CATL** for LFP technology, from their plant in Hungary
- **LGES** for both NCM and LFP batteries, built in their plant in Poland.
- **Verkor** for NCM technology, from its gigafactory based in Dunkerque (France)

Batteries are assembled at Ampere ElectriCity (France), in the Assembly Battery Shop of Douai Manufacture.

Thanks to progress made in LFP technology over the past few years and the development of the value chain in Europe, LFP technology is now a real alternative to NCM. Less energy-intensive than NCM, it is perfectly suited to certain applications, such as small and midsize cars. Less expensive, it is an important part of the economic equation for affordable electric vehicles and their democratization in Europe.

This technology will be installed in vehicles in record time: first models will be equipped with LFP Technology from early 2026.

"In a fast-changing and competitive environment, our battery strategy is proof of the efficiency of Ampere's open and horizontal approach with best-in-class partners, ensuring smart capital allocation, flexibility and rapid execution. This plan is in line with Ampere roadmap to reduce costs by 40% before the next generation of vehicles", said **Josep Maria Recasens, Chief Operating Officer of Ampere.**

"The work we've done with LG Energy Solution has enabled us to localize the entire value chain around LFP technology in Europe, and significantly increase its competitiveness, including with 'Cell-to-Pack'. Innovation in batteries is ongoing, and we are working far upstream - in particular with our Innovation Battery Cell Laboratory to open in Lardy in 2025- to engage our partners early on with us, on the major transformations to come", said **Philippe Brunet, SVP Powertrain and EV engineering, Ampere**

About Renault Group

Renault Group is at the forefront of a mobility that is reinventing itself. Strengthened by its alliance with Nissan and Mitsubishi Motors, and its unique expertise in electrification, Renault Group comprises 4 complementary brands - Renault, Dacia, Alpine and Mobilize - offering sustainable and innovative mobility solutions to its customers. Established in more than 130 countries, the Group has sold 2.235 million vehicles in 2023. It employs more than 105,000 people who embody its Purpose every day, so that mobility brings people closer.

Ready to pursue challenges both on the road and in competition, Renault Group is committed to an ambitious transformation that will generate value. This is centred on the development of new technologies and services, and a new range of even more competitive, balanced, and electrified vehicles. In line with environmental challenges, the Group's ambition is to achieve carbon neutrality in Europe by 2040.

https://www.renaultgroup.com/en/

About Ampere

Ampere is the first European intelligent EV pure player. Born from Renault Group, Ampere designs, develops, manufactures and markets full electric vehicles featuring cutting-edge software technology, accessible to all. The customer experience, as well as social and environmental impact, are embedded throughout the vehicle development process to ensure they align with the brand's commitment to its customers, the planet and those living on it. For more information, please visit ampere.cars or follow Ampere on LinkedIn and X.

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