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OPmobility and the startup AIRY Automotive win a Plug and Play Global Innovation Award 2025

OPmobility, a world leader in sustainable mobility and a technology partner to mobility players worldwide, and AIRY Automotive, a startup which redefines the limits of additive mass manufacturing for the next generation of vehicles, have been awarded the Plug and Play Global Innovation Award 2025 in the category “Manufacturing” at STARTUP AUTOBAHN expo2025, for their new generation of lightweight battery casing made with a unique technology of continuous composite material 3D printing. Combining innovative design, lighter module and pack casing, integrating enhanced safety features, this new type of battery pack systems offers a significant competitive edge over current steel or aluminum conventional battery casing technologies. Start of production is targeted around 2030.

With the global shift of mobility to electrification, improving the energy density of batteries and optimizing their safety while reducing their cost are key for the development of more efficient and sustainable battery technologies. The simplified assembly process developed in partnership by OPmobility and AIRY Automotive and the use of thermoplastic composite materials allow for a reduction of the weight of the all-in-one battery casing and modules by up to 50%, of its CO₂ production footprint by up to 30% and of its cost by 10%. For the end-user, the reduction in weight and the improved battery efficiency increase the range of the vehicle by about 10%.

Together, OPmobility and AIRY Automotive combined cutting-edge material science and engineering expertise to design components optimized for strength, weight, and scalability in automotive applications. Within this collaboration, OPmobility brought its R&D capacity, industrial expertise, client portfolio, and strong project management experience, while AIRY Automotive contributed with its additive manufacturing process designed for high-performance, lightweight structures. This technology allows a high flexibility in the integration of specific functions, such as crash and fire resistance, cooling systems and electromagnetic shielding, directly into the 3D printed part.

Félicie Burelle, Managing Director of OPmobility, said: *"The award of this prize is a clear recognition of the disruptive nature of the solution OPmobility and AIRY Automotive teams have developed in partnership. It also illustrates OPmobility's R&D teams capacity to work in open innovation with startups to successfully bring our customers' products that contribute to the future of a more sustainable and affordable mobility. This is in line with OPmobility's strategy to diversify its portfolio of technologies but also of customers, as our battery packs can equip not only passenger cars but also heavy-duty mobility, including trucks, buses and trains."*

Gustau Lange, CEO and founder of AIRY Automotive, said: *"We are proud to receive this prize and to celebrate the strong collaboration with OPmobility. We're also deeply grateful to the Plug and Play team — their support has been invaluable. This partnership is a powerful opportunity to drive real disruption in the battery and mobility sectors. Battery packs are just the beginning; with our FIBER DRIVE production technology, we aim to make manufacturing better — lighter, simpler, and more cost-effective — while accelerating the shift toward a more sustainable future."*



About OPmobility and STARTUP AUTOBAHN

In 2020, OPmobility joined STARTUP AUTOBAHN powered by Plug and Play, Europe's leading mobility-focused open innovation platform. Established in 2016 through a collaboration between Mercedes-Benz AG, Plug and Play Tech Center, ARENA2036, and the University of Stuttgart, the platform aims to connect startups with industry-leading corporations to drive innovation in mobility, production, enterprise, sustainability and beyond. With some thirty major industrial players and universities, the members' open innovation approach aims to foster a culture of exchange, disruptive thinking, technological research and contacts to accelerate creativity and innovation.

About OPmobility

OPmobility is a world leader in sustainable mobility and a technology partner to mobility players worldwide. Driven by innovation since its creation in 1946, the Group is today composed of four complementary business groups that enable it to offer its customers a wide range of solutions: exterior and lighting systems, complex modules, energy storage systems and battery and hydrogen electrification solutions. OPmobility also offers its customers an activity dedicated to the development of software, OP'nSoft.

With economic revenue of 11.6 billion euros in 2024 and a global network of 150 plants and 40 R&D centers, OPmobility relies on its 38,900 employees to meet the challenges of sustainable mobility.

OPmobility is listed on Euronext Paris, compartment A. It is eligible for the Deferred Settlement Service (SRD) and is included in the SBF 120 and CAC Mid 60 indices (ISIN code: FR0000124570). www.opmobility.com



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About AIRY Automotive

AIRY Automotive is a Danish startup reshaping the future of mobility through its disruptive additive manufacturing platform, FIBER DRIVE. Combining large-scale 3D printing of glass fibre-reinforced plastics with integrated digital twin simulation software, AIRY enables the production of ultra-light, high-strength components for electric vehicles (EVs) with unmatched efficiency and precision.

This breakthrough strengthens the competitiveness and resilience of Europe's mobility sector. FIBER DRIVE is currently undergoing testing and demonstration, and is being evaluated for pilot projects with several leading OEMs.

By radically simplifying production and enabling more sustainable vehicle architectures, AIRY Automotive is helping to build the next generation of green, scalable mobility systems. www.airyautomotive.com



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