

Stellantis Extends Benchmark Hybrid Powertrain to More Nameplates to Satisfy European Customer Demand



PUBLISHED JUL 9, 2024
BY [STELLANTIS](#)

- Company will have 30 hybrid models available in Europe this year and six new launches planned through 2026
- Innovative electrified dual-clutch transmissions (eDCT) offer supreme performance as an affordable hybridization technology
- Strong energy recuperation during deceleration helps achieve up to 20% fuel economy improvement and equivalent CO2 reduction, compared to an internal combustion powertrain
- 41% sales increase in 2024 YTD against 2023 YTD in EU30 hybrid models and expected customer take rate increase with new launches
- Unique multi-energy platforms and a flexible manufacturing strategy enable Stellantis to offer customers freedom of choice across its 14-brand portfolio

AMSTERDAM – Leveraging its unique multi-energy approach, Stellantis is swiftly reacting to the quick ramp-up of customer orders in Europe for hybrid models, especially those with the newest eDCT advanced hybrid technology. The Company will offer 30 hybrid models this year and plans to introduce six more through 2026. Hybrid variants deliver exceptional driving experience while ensuring reduced CO2 emissions at a more affordable price point than fully electric and plug-in hybrid vehicles.

Stellantis achieved a 41% sales increase in EU30 hybrid models year-to-date 2024 versus year-to-date 2023(1) and expects an increase in customer take rate with the upcoming new launches. Stellantis is the sales leader for low emission vehicles, which includes battery electric, fuel cell, plug-in hybrid and hybrid, in the EU30 for A and B segments

and light commercial vehicles.

In an era where sustainability meets innovation, Stellantis remains at the forefront with our ultimate commitment to advancing hybrid technology for our European customers,” said Uwe Hochgeschurtz, Stellantis Chief Operating Officer, Enlarged Europe. “This technology not only enhances the efficiency and performance of traditional combustion engines, it also propels us toward a future of lower emissions, extended vehicle range and overall affordability for our customers.

(1) January to May 2024 versus January to May 2023; figures based on internal and third-party public sources.

Stellantis-brand Hybrid Vehicles Available Now or Coming Later This Year in Europe:

- Alfa Romeo Junior and Tonale
- Citroën New C3, New C3 AirCross, C4, C4X, C5 AirCross, C5X
- Jeep® Avenger, Renegade and Compass
- Opel/Vauxhall Corsa, Astra, Astra SportsTourer, Mokka, Frontera, New Grandland
- Peugeot 208, 308, 308 SW, 408, 2008, New 3008, New 5008

Stellantis offers a range of technologies - hybrid, plug-in hybrid and fully electric - by leveraging its multi-energy manufacturing footprint to ensure a suitable option for various customer preferences, driving needs and vehicle sizes. Hybrid-powered vehicles harvest kinetic energy that would otherwise be lost during braking and deceleration. This energy is stored in a compact, lightweight battery and reused during acceleration, contributing to a more efficient driving experience.

We have a very competitive hybrid solution that we are now ramping up with our new eDCT technology and we are rolling it out across a wide range of models, making it accessible to many customers,” said Sébastien Jacquet, Stellantis Deputy Chief Engineering Officer. “Hybrids are easy to use and don’t require any change in driving habits compared to traditional internal combustion engine vehicles. Our advanced eDCT

technology allows the internal combustion engine to remain off, particularly during low-speed driving, resulting in reduced CO₂ emissions and fuel consumption. This is not just innovation; it's innovation within reach of everyone.

eDCT Hybrid Advanced Technology

Most Stellantis-brand hybrid vehicles in Europe are now equipped with the state-of-the-art eDCT tech and its integrated 21-kW electric motor, providing an exceptionally seamless and easy driving experience, including pure electric driving, for example in city driving conditions. The electric motor enables the vehicle to travel with the internal combustion engine turned off during driving. The system's 48-volt, 0.9-kWh battery delivers up to 1 km of range in steady driving and can also provide some electric propulsion during light-load cruising or coasting. During coasting and braking, the electric motor switches to a generator function, capturing kinetic energy and feeding electricity into the battery. A Belt Starter Generator enables a swift and seamless transition between electric mode and hybrid one.

The eDCT-based hybrid powertrain system is engineered for optimal fuel efficiency, achieving up to 20% reduction in CO₂ emissions compared to a combustion engine with an automatic transmission. Thanks to its modularity, the innovative eDCT concept can also support plug-in electric vehicles due to a 93% commonality of components, changing only the electric drive module and inverter.

Stellantis is currently producing hybrid vehicles in more than 70% of its plants in Europe. Through the eTransmissions joint venture, Stellantis and its partner currently produce eDCTs in Metz, France, and Turin, Italy, supplying 11 vehicle manufacturing plants. Combined production capacity is over 1.2 million eDCTs per year.

Stellantis is investing more than €50 billion worldwide in electrification over the decade to deliver on the Dare Forward 2030 targets of reaching a 100% passenger car battery electric vehicle (BEV) sales mix in Europe and 50% passenger car and light-duty truck BEV sales mix in the United States by 2030. To achieve these sales targets, the Company is securing approximately 400 GWh of battery capacity, including support from battery manufacturing plants in North America and Europe. Stellantis is on track to become a carbon net zero corporation by 2038, all scopes included, with single-digit percentage compensation of remaining emissions.

Stellantis N.V. (NYSE: STLA / Euronext Milan: STLAM / Euronext Paris: STLAP) is one of the world's leading automakers aiming to provide clean, safe and affordable freedom of mobility to all. It's best known for its unique portfolio of iconic and innovative brands including Abarth, Alfa Romeo, Chrysler, Citroën, Dodge, DS Automobiles, FIAT, Jeep®, Lancia, Maserati, Opel, Peugeot, Ram, Vauxhall, Free2move and Leasys. Stellantis is executing its Dare Forward 2030, a bold strategic plan that paves the way to achieve the ambitious target of becoming a carbon net zero mobility tech company by 2038, with single-digit percentage compensation of the remaining emissions, while creating added value for all stakeholders. For more information, visit www.stellantis.com.

FORWARD-LOOKING STATEMENTS

This communication contains forward-looking statements. In particular, statements regarding future events and anticipated results of operations, business strategies, the anticipated benefits of the proposed transaction, future financial and operating results, the anticipated closing date for the proposed transaction and other anticipated aspects of our operations or operating results are forward-looking statements. These statements may include terms such as “may”, “will”, “expect”, “could”, “should”, “intend”, “estimate”, “anticipate”, “believe”, “remain”, “on track”, “design”, “target”, “objective”, “goal”, “forecast”, “projection”, “outlook”, “prospects”, “plan”, or similar terms. Forward-looking statements are not guarantees of future performance. Rather, they are based on Stellantis' current state of knowledge, future expectations and projections about future events and are by their nature, subject to inherent risks and uncertainties. They relate to events and depend on circumstances that may or may not occur or exist in the future and, as such, undue reliance should not be placed on them.

Actual results may differ materially from those expressed in forward-looking statements as a result of a variety of factors, including: the ability of Stellantis to launch new products successfully and to maintain vehicle shipment volumes; changes in the global financial markets, general economic environment and changes in demand for automotive products, which is subject to cyclicity; Stellantis' ability to successfully manage the industry-wide transition from internal combustion engines to full electrification; Stellantis' ability to offer

innovative, attractive products and to develop, manufacture and sell vehicles with advanced features including enhanced electrification, connectivity and autonomous-driving characteristics; Stellantis' ability to produce or procure electric batteries with competitive performance, cost and at required volumes; Stellantis' ability to successfully launch new businesses and integrate acquisitions; a significant malfunction, disruption or security breach compromising information technology systems or the electronic control systems contained in Stellantis' vehicles; exchange rate fluctuations, interest rate changes, credit risk and other market risks; increases in costs, disruptions of supply or shortages of raw materials, parts, components and systems used in Stellantis' vehicles; changes in local economic and political conditions; changes in trade policy, the imposition of global and regional tariffs or tariffs targeted to the automotive industry, the enactment of tax reforms or other changes in tax laws and regulations; the level of governmental economic incentives available to support the adoption of battery electric vehicles; the impact of increasingly stringent regulations regarding fuel efficiency requirements and reduced greenhouse gas and tailpipe emissions; various types of claims, lawsuits, governmental investigations and other contingencies, including product liability and warranty claims and environmental claims, investigations and lawsuits; material operating expenditures in relation to compliance with environmental, health and safety regulations; the level of competition in the automotive industry, which may increase due to consolidation and new entrants; Stellantis' ability to attract and retain experienced management and employees; exposure to shortfalls in the funding of Stellantis' defined benefit pension plans; Stellantis' ability to provide or arrange for access to adequate financing for dealers and retail customers and associated risks related to the operations of financial services companies; Stellantis' ability to access funding to execute its business plan; Stellantis' ability to realize anticipated benefits from joint venture arrangements; disruptions arising from political, social and economic instability; risks associated with Stellantis' relationships with employees, dealers and suppliers; Stellantis' ability to maintain effective internal controls over financial reporting; developments in labor and industrial relations and developments in applicable labor laws; earthquakes or other disasters; risks and other items described in Stellantis' Annual Report on Form 20-F for the year ended December 31, 2023 and Current Reports on Form 6-K and amendments thereto filed with the SEC; and other risks and uncertainties.

Any forward-looking statements contained in this communication speak only as of the date of this document and Stellantis disclaims any obligation to update or revise publicly forward-looking statements. Further information concerning Stellantis and its businesses, including factors that could materially affect Stellantis' financial results, is included in Stellantis' reports and filings with the U.S. Securities and Exchange Commission and AFM.

Press release distributed by Wire Association on behalf of Stellantis, on Jul 9, 2024. For more information subscribe and [follow](#) us.

Media Assets

Embedded Media

Visit the [online press release](#) to interact with the embedded media.

<https://wireassociation.eu/newsroom/stellantis/releases/en/stellantis-extends-benchmark-hybrid-powertrain-to-more-nameplates-to-satisfy-european-customer-demand-2128>

Stellantis

Newsroom: <https://wireassociation.eu/newsroom/stellantis>

Website: <https://www.stellantis.com/>

Primary Email: communications@stellantis.com

Social Media

Linkedin - <https://www.linkedin.com/company/stellantis/>

Twitter - <https://twitter.com/stellantis>

Facebook - <https://www.facebook.com/Stellantis>

Youtube - <https://www.youtube.com/channel/UCKgSLvI1SYKOTpEToycAz7Q>
