MG accelerates into next era of intelligent mobility with advanced electrification and ADAS technologies

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- **MG all-new Plug-in Hybrid+ technology delivers greater efficiency, enhanced performance and a quieter driving experience, with the first MG ZS Plug-in Hybrid+ scheduled to launch in 2027.**
- **MG SolidCore Battery for Plug-in Hybrid+ models provides more consistent power delivery, improved range stability and enhanced performance, delivering an even better user experience at all speeds, across all driving scenarios and in all climatic conditions.**
- **Next-generation automated parking across a wide range of parking environments is now production-ready.**
- **Navigate On Autopilot (NOA) will debut in a new MG SUV in late 2027.**
- **Level 4 Robotaxi trials are underway across Europe, the Middle East and China, supporting the development of future mobility solutions.**

Building on more than a century of innovation, MG has unveiled its latest technology roadmap, outlining how the brand will continue to bring advanced electrification and intelligent driving technologies to a wider audience.

Announced at MG Tech Day at its UK headquarters in London, the roadmap brings together the next generation of MG Plug-in Hybrid+ technology, the introduction of MG SolidCore Battery technology for Plug-in Hybrid+ models, and a new phase of ADAS development shaped around real-world European driving conditions.

The latest developments reflect MG’s commitment to making advanced technology more accessible, useful and relevant for everyday drivers. From more efficient hybrid powertrains to intelligent parking assistance, motorway driving support and longer-term autonomous mobility development, MG is focused on technologies that improve confidence, convenience and enjoyment behind the wheel.

All-New Plug-in Hybrid+ Technology

MG's all-new Plug-in Hybrid+ system integrates advanced mechanical engineering with intelligent electrification to deliver enhanced efficiency, responsive performance and exceptional refinement, providing a well-balanced experience across a broad range of speeds, road conditions and driving scenarios.

At the heart of the Plug-in Hybrid+ system is a new generation of dedicated hybrid petrol engines, available in 1.1-litre turbocharged and 1.5-litre turbocharged variants.

Developed specifically for hybrid applications, the engines achieve maximum thermal efficiencies of more than 42% and 43% respectively, delivering an excellent balance of performance and fuel economy.

Working in conjunction with the new engines is an all-new hybrid transmission integrating two core technologies: Power Split and Motor Decoupling. Together, they maximise both fuel and electrical energy efficiency, enabling the powertrain to achieve a new benchmark in overall energy utilisation.

Power Split technology intelligently distribute power between the engine and electric motors, continuously optimising energy flow according to driving conditions. This allows the powertrain to operate in its most efficient state across all driving conditions without the limitations of a conventional fixed-ratio transmission. Motor Decoupling technology introduces a dedicated disconnect mechanism that completely isolates the generator during pure electric driving. This eliminates unnecessary drag and significantly improves electric drive efficiency.

The all-new Plug-in Hybrid+ system automatically selects the optimum operating mode across the full speed range, using electric drive at low speeds, power split operation at medium speeds and direct engine drive at higher speeds. This intelligent operating strategy enables the engine to maintain thermal efficiency above 40% across approximately 90% of driving conditions, while achieving up to 90% electric drive efficiency, delivering excellent performance whether the battery is fully charged or depleted.

The new powertrain also delivers significant gains in performance. Plug-in Hybrid+ accelerates from 0–62mph in under 6 seconds, while 50–75mph acceleration takes as little as 3.5 seconds, providing strong, responsive performance for both urban and motorway driving. Enhanced torque delivery also improves hill-start capability by up to 72%, delivering greater confidence on steep gradients and under demanding driving conditions.

Refinement has also been significantly enhanced. By eliminating generator idling during pure electric driving, Motor Decoupling technology reduces noise, vibration and harshness by up to 5dB in EV mode compared with conventional plug-in hybrid systems. The result is a quieter, more refined cabin environment that delivers a driving experience closer to that of a battery electric vehicle.

Plug-in Hybrid+ models will also benefit from this new technology, beginning in 2027 with the launch of the MG ZS Plug-in Hybrid+.

SolidCore Battery for Plug-in Hybrid+ Models

MG has confirmed that its recently announced SolidCore Battery technology will be introduced across future Plug-in Hybrid+ models, representing the next phase in the company's electrification strategy. As the first automotive manufacturer to achieve

mass production of semi-solid-state batteries, MG has developed SolidCore Battery technology to further enhance the efficiency, capability and usability of its next-generation electrified powertrains.

Developed around an advanced semi-solid-state architecture incorporating a 3D spinel structure, the SolidCore Battery delivers higher energy conversion efficiency and faster power response than conventional liquid-electrolyte batteries. Optimised specifically for Plug-in Hybrid+ applications, it provides more consistent power delivery, improved range stability and enhanced performance delivering an even better user experience at all speeds, across all driving scenarios and in all climate conditions.

By maintaining stable battery output across a wide range of operating conditions, SolidCore Battery technology supports more consistent vehicle performance regardless of speed, driving scenario or ambient temperature. The result is a highly efficient electrified powertrain that delivers predictable, repeatable performance in everyday driving, while further improving the overall efficiency of the Plug-in Hybrid+ system.

For customers, this translates into greater confidence behind the wheel. By reducing the impact of low temperatures and depleted battery charge on vehicle performance, SolidCore Battery technology helps address many of the traditional compromises associated with plug-in hybrid vehicles, delivering a more consistent and reassuring driving experience throughout the vehicle's operating range.

The first MG Plug-in Hybrid+ models to feature SolidCore Battery technology will be three new SUVs in the B, C and D segment categories, further expanding the company's next generation of electrified vehicles.

Next Generation ADAS Technology

MG’s vision for ADAS is to make mature, reliable driver assistance an everyday reality for more customers.

Rather than developing systems around idealised test environments, MG is using real-world European data to refine its intelligent driving technologies for the roads customers use every day. The brand has collected more than 1.2 million kilometres of real-world driving data across 24 European countries, enabling algorithms to be updated regularly based on local conditions.

This approach forms part of MG’s “In Europe, for Europe” strategy and allows the brand to develop systems that reflect European roads and driving habits, from roundabouts and give-way junctions to shared spaces with trams and complex urban layouts.

A key part of this strategy is MG One Touch iAD parking assistance, first introduced with MG’s premium segment IM models. The system has been developed to support real-world parking situations, covering more than 30 complex scenarios and more than 300 parking space types, including unmarked bays.

The current One Touch iAD parking assistance system supports four key scenarios:

- **One Touch Park** – automatically detects suitable parking spaces at low speed and enables one-touch parking, helping drivers identify and manoeuvre into the best available position.
- **One Touch Kerbside Parking** – supports accurate parking alongside a kerb or wall where distance can be difficult to judge, helping drivers park more confidently in tight or unstructured spaces.
- **One Touch Pull Out** – automatically adjusts the exit angle when the vehicle is boxed in by vehicles in front and behind, making it easier to leave tight parking spaces.
- **One Touch Reverse** – records the vehicle's driving path for up to 100 metres and enables automatic reversing along the same trajectory, with obstacle detection. This is particularly useful in dead-end aisles, narrow roads and restricted spaces.

The system has been designed around everyday frustrations faced by UK and European drivers, including narrow parking bays, tight access roads, frequent parallel and kerbside parking, dead-ends, and interaction with pedestrians or cyclists.

Key advantages include one-touch kerbside parking, which is exclusive to MG, and a reverse assist function that remembers a driving path for up to 100 metres. The system also offers fast recognition, efficient manoeuvring, 360-degree camera guidance, on-screen trajectory display and automatic braking and resume functionality when pedestrians or cyclists are detected.

MG is already developing the next generation of parking functionality, including head-in parking, remote straight-line control, remote parking assistance and parking position preference, all designed to give drivers greater flexibility and convenience via smartphone control.

Navigate On Autopilot

MG Pilot already provides driver assistance features designed to support safety and convenience and continues to evolve through real-world customer use and feedback.

The next major step will be Navigate On Autopilot, or NOA, scheduled for launch in late 2027. NOA is being developed to support motorway driving, where road layouts are more structured and lane markings, traffic flow, entry points and exit points are more predictable.

With driver supervision, the system will be able to assist with entering and exiting motorways, lane selection, lane changes and overtaking. The aim is to reduce the cognitive load on drivers during longer motorway journeys, while ensuring the driver always remains in control and fully responsible.

MG is developing Highway NOA first because motorway environments are more predictable than city and local roads. Urban NOA, which must account for intersections, traffic lights, pedestrian crossings, cyclists and a wider range of road layouts, requires further development and validation, and is not expected to be introduced until 2028.

The first production model with Highway NOA will be a new MG SUV, scheduled for launch in late 2027.

Level 4 Robotaxi
As part of its long-term commitment to autonomous driving technology, MG is conducting Level 4 Robotaxi trials in multiple regions, including Germany, the Middle East and China.

Level 4 autonomy refers to vehicles capable of operating without driver input within defined operational areas. MG is continuing to test and validate this technology, but it remains too early to confirm when it may be introduced to production vehicles.

From intelligent parking assistance for tight urban spaces to future motorway driving support and autonomous mobility research, MG is developing technologies that are designed to make driving easier, safer and more enjoyable. By building systems around European data and refining them for European roads, the brand is focused on ensuring that every new feature delivers genuine value to customers.

For more information about MG's vehicle range, visit **www.mg.co.uk**

Link to MG Tech Day II Presentation **here**.

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About MG
Founded in England in 1924, MG is one of the world's most iconic automotive brands, celebrated for its rich British heritage and a longstanding commitment to making driving enjoyable, innovative, and attainable.

Today, MG offers a comprehensive portfolio of Petrol, Hybrid+, Plug-in Hybrid, and Electric Vehicles, combining advanced technology, intelligent design, and exceptional value for customers across Europe and beyond. As part of its commitment to innovation, MG continues to drive the evolution of electrified mobility through breakthrough technologies, including its latest Hybrid+ powertrain and the pioneering MG SolidCore Battery - the world's first mass-produced semi-solid-state battery technology for passenger vehicles.

MG is now present in 34 European markets, supported by a network of more than 1,300 dealer partners and backed by a comprehensive 7-year/150,000 km warranty. In 2025, MG surpassed 300,000 annual sales across the UK and Europe, and in early 2026 celebrated the delivery of its one-millionth vehicle in the European market.

Guided by its “In Europe, for Europe” strategy, MG is strengthening its regional presence through investments in local engineering, manufacturing, and supply-chain capabilities, including the development of a new production facility in Galicia, Spain. Through continuous innovation and an expanding product portfolio, MG remains committed to bringing the benefits of sustainable mobility within reach of an ever-broader community of customers across Europe.