



## **ASTON MARTIN TO CREATE INDUSTRY LEADING ULTRA-LUXURY HIGH PERFORMANCE ELECTRIC VEHICLES**

- **All-new modular BEV platform underpins future portfolio of ultra-luxury high-performance electrified Aston Martin hypercar, Sports, GT and SUV models**
- **Strategic supply agreement with Lucid Group to include access to industry-leading technologies and long-term relationship whereby Lucid will supply Aston Martin with select powertrain components for initial and future BEV models**
- **Electrification strategy is a pillar of Aston Martin's wider *Racing. Green.* Sustainability strategy, and forms part of a £2 billion investment in technology**
- **Mercedes-Benz AG to continue to provide Aston Martin with access to a range of world-class technologies, including powertrain and electric/electronic architectures for current and future generation Aston Martin vehicles, including internal combustion engine, hybrid and electric vehicles.**

*26 June 2023, Gaydon, UK:* Aston Martin today hits the accelerator on its ambition to create the world's most thrilling and highly desirable electric performance cars, with the formation of a landmark new supply agreement with world-leading electric vehicle technologies company, Lucid Group, which will help propel Aston Martin's high-performance electrification strategy and its long-term growth.

The proposed agreement announced this morning to the London Stock Exchange would see Lucid, a world-leader in the design and manufacture of advanced electric powertrains and battery systems, supply Aston Martin with industry-leading electric vehicle technologies. Access to Lucid's current and future powertrain and battery technology will be at the centre of Aston Martin's all-new in-house Battery Electric Vehicle (BEV) platform.

Aston Martin's electrification programme forms a pillar of the ultra-luxury brand's wider *Racing. Green.* sustainability strategy and will see an investment of over £2 billion in advanced technologies over the next five years, with investment phasing from ICE to BEV technology.

Lawrence Stroll, Executive Chairman of Aston Martin, said: “The supply agreement with Lucid is a game changer for the future EV-led growth of Aston Martin. Based on our strategy and requirements, we selected Lucid, gaining access to the industry’s highest performance and most innovative technologies for our future BEV products.

“We will not only leverage the significant investments Lucid has made to develop its world-class technologies, but will also further enhance and differentiate the drive experience through the work Roberto Fedeli and his teams are already developing, aligned with our ultra-luxury, high-performance strategy.

“Along with Mercedes-Benz, we now have two world-class suppliers to support the internal development and investments we are making to deliver our electrification strategy. With the recently announced long-term partnership with Geely, we will also gain the opportunity to access their range of technologies and components, as well as their deep expertise of the key strategic market of China.

“Overall, today’s announcement is a further significant step towards delivering our ambition for Aston Martin.”

Aston Martin boasts an exceptional track record when it comes to creating intelligent and adaptable vehicle platforms. This all-new bespoke platform, developed by Aston Martin, will form the basis of the Company’s entire future electrified model range; from hypercars to sports cars, GTs and SUVs, the first of which is targeted for launch in 2025. Before then Aston Martin will deliver its first plug-in hybrid – the mid-engined supercar, Valhalla – in 2024 and by 2026, all new Aston Martin model lines will feature an electrified powertrain option, with the long-term objective for its core range to be fully electrified by 2030.

As also announced today, Mercedes-Benz AG will continue to provide Aston Martin access to a range of world-class technologies, including powertrain and electric/electronic architectures for current and future generation Aston Martin vehicles, including internal combustion engine, hybrid and electric vehicles.

Roberto Fedeli, Chief Technology Officer of Aston Martin, said: “The proposed agreement with Lucid forms a significant pillar of our electrification strategy, providing Aston Martin with access to the industry’s leading powertrain and battery systems technology. Combined with our internal development, this will allow us to create a single bespoke BEV platform suitable for all future Aston Martin products, all the way from hypercars to sports cars and SUVs.

“In addition, we will continue to expand our in-house powertrain capabilities, allowing us to provide the thrilling performance and intense driving experience we know that our customers love and expect from Aston Martin.”

For an emotion-driven marque renowned for its rousing internal combustion engines the transition to hybrid and full battery-electric powertrains is an elemental challenge. With Lucid’s cutting edge powertrain technology and advanced Mercedes-Benz electronic architecture at their heart, this near-future family of electrified Aston Martins will be propelled by sustainable, next-generation technology honed to deliver the optimum blend of scintillating class leading performance and brilliantly resolved vehicle dynamics.

These advantages can be characterised by exceptional battery system efficiency, which brings major advantages in terms of packaging and mass; inverter technology that controls the rate and efficiency of energy discharge and recuperation; and twin motor technology that facilitates infinitely tuneable four-wheel torque vectoring.

Such precise control of power delivery to each wheel opens new horizons for Aston Martin’s world-class dynamics engineers, whose focus is firmly set on not just preserving the driving experience, but elevating it to a new level of intensity and enjoyment. By precisely metering how much torque goes to each wheel there is infinite scope to apply meticulous software integration to create a unique and distinct dynamic fingerprint for each Aston Martin BEV model from the same platform and powertrain hardware and to continue to deliver class leading driving dynamics.

Assisting in this quest is Aston Martin Performance Technologies (AMPT). The consulting arm of the Aston Martin Aramco Cognizant Formula One® team, AMPT expertly applies the knowledge and methodologies employed in Formula One® to Aston Martin road car programmes, with the rapid problem-solving skills and technology transfer accelerating the pace of development, increasing efficiency and amplifying performance.

Active aerodynamics and drag reduction will play an increasingly significant part in enhancing the efficiency and extending the range of any given BEV model. Likewise intelligent powertrain management will extract the most miles from each charge, performance for longer being the overriding objective in every area of Aston Martin’s BEV development.

Sleek, wind-cheating bodywork – facilitated by no longer needing to feed air to a hungry internal combustion engine - will play its part, with active cooling vents and airflow management around the wheel arches and underbody working to reduce the impact of wide

tyres required to transmit the immense power and immediate torque delivery of the battery-electric powertrain.

Complementing development of its BEV model lines Aston Martin is working closely with other partners to raise the bar for performance and efficiency. For example, long-time technical partner Brembo is developing new brake-by-wire technology that will control the compression and retraction of brake pads electronically, thereby increasing vehicle range, improving brake response and reducing pad wear and particulate emissions. Aston Martin and Pirelli are also poised to showcase the very latest generation of P Zero R tyre featuring Pirelli Cyber Tyre: a system of sensors that gather a wide range of data and can provide a reliable gauge of the load going through each individual tyre to calculate a more accurate real-world range.

The supply agreement with Lucid is further evidence of Aston Martin's absolute commitment to creating a world-leading sustainable, ultra-luxury high-performance brand. Whether developing world-class range of ICE, PHEV and BEV road cars, challenging for victories in Formula One® - the pinnacle of motorsport powered by the most energy efficient internal combustion engines ever made, Aston Martin's company-wide *Racing. Green.* sustainability strategy is emblematic of a brand focussed on building brilliant cars for future generations.

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**About Aston Martin Lagonda:**

Aston Martin's vision is to be the world's most desirable, ultra-luxury British brand, creating the most exquisitely addictive performance cars.

Founded in 1913 by Lionel Martin and Robert Bamford, Aston Martin is acknowledged as an iconic global brand synonymous with style, luxury, performance, and exclusivity. Aston Martin fuses the latest technology, time honoured craftsmanship and beautiful styling to produce a range of critically acclaimed luxury models including the Vantage, DB12, DBS, DBX and its first hypercar, the Aston Martin Valkyrie.

Based in Gaydon, England, Aston Martin Lagonda designs, creates and exports cars which are sold in 56 countries around the world. Its sports cars are manufactured in Gaydon with its luxury DBX SUV range proudly manufactured in St Athan, Wales.

Lagonda was founded in 1899 and Aston Martin in 1913. The two brands came together in 1947 when both were purchased by the late Sir David Brown, and the company is now listed on the London Stock Exchange as Aston Martin Lagonda Global Holdings plc.

2020 saw Lawrence Stroll become the company's Executive Chairman, alongside significant new investment, a move that led to Aston Martin's return to the pinnacle of motorsport with the Aston Martin Aramco Cognizant Formula One™ Team and commenced new era for the iconic British marque.



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