BMW GROUP

Corporate Communications

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Turning Vision into Reality: the new BMW iX3 – the first Neue Klasse model drives product sustainability.

Sustainability along the entire life cycle +++ Neue Klasse offers a comprehensive sustainability approach in supply chain, production and use phase measures +++ Focus on decarbonization and resource conservation +++

Munich. The new BMW iX3 demonstrates the BMW Group's take on implementing a holistic approach to product sustainability across the entire life cycle. During product development, extensive measures were implemented throughout the supply chain, production and use phases, explicitly focused on conserving resources and reducing the model's environmental footprint. As such, the Neue Klasse marks an important milestone toward achieving the company's 2030 and 2050 CO_2e targets.

CO_2e benefits achievable after only one year of use

The extensive decarbonization measures in the supply chain results in an early break-even point: when charged with electricity from the European energy mix, the CO_2e footprint of the new BMW iX3 50 xDrive is lower than that of a comparable model with a combustion engine after about 21,500 kilometers (WLTP combined). When charged exclusively with electricity from renewable sources, the BMW iX3 50 xDrive beats the comparable ICE model after only 17,500 kilometers (WLTP combined), allowing customers to potentially achieve CO_2e benefits in as little as one year.

Decarbonization in the supply chain

The key levers to reduce CO_2e emissions in the supply chain are the use of secondary materials and renewable energy, alongside product and process innovations. This combination of measures has led to a decrease of CO_2e emissions in the supply chain of 35% during product development.
The Gen6 battery cells of the BMW iX3 high-voltage storage system are made of 50% secondary cobalt, lithium, and nickel materials. In addition, renewable energies are harnessed in the anode and cathode materials and cell production. This is how CO_2e emissions per watt hour were reduced by 42% compared to the Gen5 cell of the previous model.

The BMW Group is increasingly focused on the use of innovative and secondary materials in other components as well. For instance, 30% of the

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secondary raw material[1] used for the engine compartment cover and the storage compartment under the front hatch is recycled maritime plastic. This post-consumer material consists of old fishing nets and ropes, preventing these materials from potentially being dumped in the ocean. Secondary aluminum accounts for 80% of the wheel carriers and swivel bearings as well as 70% of the cast aluminum wheels.

'Design for Circularity': consistent implementation in the Neue Klasse
The BMW Group applied the 'Design for Circularity' approach consistently in developing the BMW iX3. The approach builds on the concepts of secondary first (the prioritized use of secondary materials), strategic material selection and disassembly optimization. As a result, secondary materials account for one third of all material used in the new BMW iX3 50 xDrive.
One example of implementing these three concepts is the Econeer seat cover, available in the interior trim Essential, whose fabric, adhesive and fleece are all made from PET. This mono-material choice increases recyclability. Moreover, the textile yarn used consists entirely of recycled PET as well.
Other components whose development followed the 'Design for Circularity' approach include the center console, instrument panel and interior floor trim.

Significantly improved efficiency in the use phase
BMW EfficientDynamics involves consistently identifying and harnessing efficiency potential in all vehicle subsystems. Applying this approach, the energy consumption of the new BMW iX3 is 20% lower than in the predecessor model (WLTP combined).
This significant improvement is primarily based on optimized aerodynamic properties, reduced rolling resistance and on-board power consumption as well as the drive's unparalleled combination of efficiency and dynamics.

Sustainability-centric production at BMW Group's Debrecen plant
Designed and built according to the BMW iFactory principles, the new BMW Group plant in Debrecen, Hungary, is fully focused on efficiency, digitalization and sustainability. It is the first BMW Group car factory that is

[1] The term "secondary raw material" refers to a raw material or other material recovered from waste or production residues. Secondary raw materials can be used to substitute for primary raw materials.

operated and produces vehicles without using fossil fuels, such as oil and gas, under normal operating conditions.
The only energy source to power operations at the site is electricity. According to current planning, up to 25% of the plant's annual electricity needs can be covered by the photovoltaic system located on the premises. The remaining electricity is obtained from other renewable energy sources. Surplus solar energy is stored in a heat storage unit and used to heat the paint shop ovens as needed.
Only 0.1 tons of CO_2e are emitted in the production of a BMW iX3 car, about two third below production at other BMW Group plants.

The BMW Group's sustainability targets
The BMW Group's commitment to the Paris Climate Agreement and to achieving Net Zero by 2050 or earlier is an integral part of the comprehensive 360° sustainability approach incorporated in the corporate strategy. The company is pursuing ambitious, scientifically derived CO_2e targets for the coming years. For instance, the BMW Group intends to reduce its CO_2e emissions by at least 40 million tons in 2030 (baseline: 2019).

Publicly accessible, TÜV-verified Product Carbon Footprint
For years, the BMW Group has released its vehicle footprint, which includes a greenhouse gas report for its vehicles verified by Germany's TÜV Technical Inspection Association. The report for the new BMW iX3 50 xDRIVE can be downloaded here and is also available in the My BMW app. It offers increased transparency regarding raw materials used and CO_2e emissions over the entire vehicle lifecycle.

All information regarding the BMW iX3 50 xDrive's mileage, energy consumption, range, energy content, dimensions, weights, share of secondary raw materials/recycled materials and other technical data and derivations thereof are provisional as of the start of production in November 2025.

All model variants, equipment levels, technical data, fuel consumption and emission data mentioned correspond to the range offered in the German car market, provided the respective model is available there. Deviations in other markets are possible. Dimensions refer to the base model available in Germany; depending on wheel and tire size as well as optional equipment selected, dimensions may vary depending on the specific configuration.

Power consumption and range data were measured in accordance with the mandatory WLTP procedures and comply with the German Passenger Car Energy Consumption Labelling Ordinance (EnVKV). For more information, see www.bmw.de

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2024, the BMW Group sold over 2.45 million passenger vehicles and more than 210,000 motorcycles worldwide. The profit before tax in the financial year 2024 was € 11.0 billion on revenues amounting to € 142.4 billion. As of 31 December 2024, the BMW Group had a workforce of 159,104 employees.

The economic success of the BMW Group has always been based on long-term thinking and responsible action. Sustainability is a key element of the BMW Group's corporate strategy and covers all products from the supply chain and production to the end of their useful life.

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