

Press information  
2 March 2021

## **Powered by water: BMW Group manufactures electric cars with regional green electricity**

BMW iX\* and BMW i4 production powered by hydroelectricity from Rivers Isar and Lech +++ Electricity for BMW Group production is 100% green +++ Direct supply contracts boost eco-credentials +++

**Munich / Dingolfing.** The BMW Group will power production of the new electric BMW iX\* and BMW i4 at Plants Dingolfing and Munich entirely with regional green hydroelectricity. Contracts have been signed with Stadtwerke München and RWE Supply & Trading for energy to be supplied by hydroelectricity from rivers Isar and Lech. Board Member for Production Milan Nedeljković: “We take a holistic view of sustainability. So rather than just minimising emissions from driving, we are working to significantly reduce the carbon footprint of our production processes.”

The BMW Group already powers its production facilities worldwide entirely with green electricity today. “What’s new is the fact that in the future, we will source our renewable electricity directly from regional providers based close to our plants,” Nedeljković explains. The green electricity needed for BMW iX\* production will come from the Isar hydroelectric power stations Uppenborn between Moosburg and Landshut while production of the BMW i4 will be powered by the Lech hydroelectric power stations in Gersthofen and Rain. The energy they supply is also used to manufacture a wide range of components for the two electric models, at BMW Group Plants Landshut, Dingolfing and Berlin.

“Our direct supply contracts add another major boost to the eco-credentials of the green electricity we use in production,” Nedeljković emphasises. But as well as implementing more and more such contracts, the BMW Group is increasing the share of the renewable or carbon-neutral electricity it generates itself. Since 2013, for instance, the four wind turbines at Plant Leipzig have provided all the electricity needed to manufacture the BMW i3\*. Another of several examples from the BMW

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Group production network is the newest plant, in San Luis Potosí, Mexico, where production is largely powered using energy from large solar arrays.

The energy goals the BMW Group has set itself are designed for the longer term. Between 2006 and 2019, emissions from production fell by more than 70 percent per car. Going forward Nedeljković explains: “We want to cut CO<sub>2</sub> emissions by another 80 percent by 2030, to less than 10 percent of what they were in 2006.”

The BMW Group has a strong foundation to build on, having raised the bar repeatedly over the last few decades in terms of sustainability. Continuous improvement remains central to the strategy to cut CO<sub>2</sub> emissions and increase resource efficiency.

As well as sourcing 100 percent green energy, since 2020 the BMW Group has been systematically investing in improving energy efficiency – partly by capitalising on the opportunities of digitalisation. Data analytics has already helped make production more efficient, for instance with predictive machine maintenance and by minimising the number of parts rejected from the bodyshop. As well as drastically cutting actual CO<sub>2</sub> emissions, the BMW Group will offset any remaining emissions (Scope 1 + 2) in full via relevant certificates.

**\*Consumption and emissions figures:**

**BMW iX:** Fuel consumption combined: 0.0 l/100 km; electricity consumption combined: < 21 kWh/100km; CO<sub>2</sub> emissions combined: 0 g/km. (provisional figures based on forecasts)

**BMW i3:** Fuel consumption combined: 0.0 l/100 km; electricity consumption combined: 13.1 kWh/100km (NEDC) / 16.3-15.3 kWh/100km (WLTP); CO<sub>2</sub> emissions combined: 0 g/km.

Corporate Communications

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Uniquely flexible and highly efficient, the BMW Group production network is able to respond quickly to changing markets and regional sales fluctuations. Expertise in manufacturing is a key contributor to the BMW Group's profitability.

The BMW Group production network uses a range of innovative digital and Industry 4.0 (IoT) technologies, including virtual reality, artificial intelligence and 3D printing applications. Standardised processes and structures across the production system ensure consistent premium quality and allow a high degree of customisation.

**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 and mobility services. The BMW Group production network comprises 31 production and assembly facilities in 15 countries; the company has a global sales network in more than 140 countries.

In 2020, the BMW Group sold over 2.3 million passenger vehicles and more than 169,000 motorcycles worldwide. The profit before tax in the financial year 2019 was € 7.118 billion on revenues amounting to € 104.210 billion. As of 31 December 2019, the BMW Group had a workforce of 126,016 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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