

Media Information  
12 December 2022

## **“Building the future of electromobility right here”: Commissioning gets underway at BMW Group Cell Manufacturing Competence Centre**

+++ Interview with Markus Fallböhmer, Senior Vice President of Battery Production, BMW Group +++ Info-box: Ramp-up in two phases +++

**Munich/Parsdorf.** The first systems have been installed and the buildings are ready to go into operation: Step by step, the BMW Group Cell Manufacturing Competence Centre (CMCC) is gearing up to go on-stream, as previously announced. In just a few months, more than 80 employees will be working here, at a facility that extends over roughly 15,000 square metres. Due to the complex technology involved, battery cell production in Parsdorf will be commissioned in stages. Systems for electrode production are currently being installed and run in.

Markus Fallböhmer, Senior Vice President of Battery Production at the BMW Group, gave an interview on-site in Parsdorf:

### **Mr Fallböhmer, what exactly is happening at the CMCC in Parsdorf?**

**MF:** We will be building the future of electromobility right here in Parsdorf. What we are doing here is shaping the industrial feasibility of future generations of high-performance battery cells. The CMCC will enable us to penetrate the whole cell value creation process. With this know-how, our experts, together with our suppliers, will be able to further optimise battery cell production, with regard to quality, output and costs.

### **But there won't be standard production of battery cells in Parsdorf, right? Why is that?**

**MF:** Our strategy of ruling out large-scale standard production of battery cells in-house has worked well so far. Thanks to our Competence Centres in

Munich and Parsdorf, we have extensive know-how in both the technology and production processes. This means we can bring the optimal battery cell technology for our customers to series maturity in the shortest time possible and enable suppliers to produce battery cells to our own specifications.

**Battery cell production is also linked with environmental-protection challenges. How are you responding to that?**

**MF:** Protecting the environment is a top priority for us. An immission control approval procedure has been carried out for the technical installations used in battery cell production – and we meet all requirements and specifications. The CMCC will also operate fossil-free, relying on electricity produced using renewable energy, including from photovoltaic systems on the roof of the building. The facility will also be supplied with regenerative heat produced using state-of-the-art groundwater and air heat pumps.

**What are the long-term plans for battery cells at the Parsdorf location?**

**MF:** We are constantly working to refine energy storage systems. The CMCC will play a central role in this. We are currently pushing forward with development of so-called all-solid-state batteries. This is a completely new battery technology that offers even higher energy density. The BMW Group's long-term goal is to use fully recyclable battery cells.

--- End of interview ---

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**Info-box: Ramp-up of battery cell production in two phases**

Due to the complex technology involved, battery cell production in Parsdorf will be commissioned in two phases.

In the initial phase of the ramp-up, the systems for electrode production will be installed and run in. During this stage, raw materials, such as graphite and nickel oxides for battery electrodes, are metered and mixed. This is followed by coating of the metal foils and final compression.

In the second phase, the systems for subsequent cell assembly and formation will be installed. In this step, the electrodes are processed with the other sub-components to create battery cells and are formed and checked for quality. The entire ramp-up process will take a year.

In Parsdorf, work will also focus on innovative production processes and systems that can be used in standard production. The BMW Group will produce battery cell samples at this site for the next generation of battery technology for use in the NEUE KLASSE.

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If you have any questions, please contact:

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**The BMW Group production network**

The BMW Group has long seen itself as the benchmark in production technology and operative

excellence in vehicle manufacturing. BMW iFACTORY. LEAN. GREEN. DIGITAL. represents the strategic vision of the worldwide production network. It provides answers to the challenges of the transformation towards e-mobility, with a global approach.

LEAN stands for efficiency, precision, absolute flexibility and outstanding integrational capabilities. GREEN represents the use of cutting-edge technologies to realise production with minimal resources and reduce CO<sub>2</sub> emissions. With DIGITAL, the focus is on data science, artificial intelligence, virtual planning and development. Together, these things make the BMW Group Production Network a key contributor to the profitability of the company.

**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 over 30 production sites around the world; the company has a global sales network in more than 140 countries.

In 2021, the BMW Group sold over 2.5 million passenger vehicles and more than 194,000 motorcycles worldwide. The profit before tax in the financial year 2021 was € 16.1 billion on revenues amounting to € 111.2 billion. As of 31 December 2021, the BMW Group had a workforce of 118,909 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company set its course for the future early on and is making sustainability and resource efficiency the focus of the company's strategic direction – from the supply chain, through production, to the end of the use phase, for all its products.

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