

Schwarzheide battery materials investment

The new plant for cathode active materials is located at the BASF site in Schwarzheide, Germany, one of the largest European sites within the BASF Group. The new plant will focus on the production of high-energy density cathode active materials and use precursors from the new plant in Harjavalta, Finland.

Plant overview:

- **Initial capacity:** Enabling the supply of around 400,000 full electric vehicles per year.
- **Number of production lines:** 2 production lines that can be expanded quickly to respond to increasing market demand.
- **Ground area:** around 5800m² per production line.
- **Major products:** High-energy density NCM and/or NCA cathode active materials depending on customer requirements.
- **Energy supply:** Energy-efficient gas and steam turbine power plant that operates on the principle of combined heat steam and power generation. It is currently being modernized to further increase its eco-efficiency. The integration of renewable energies is also planned.
- **CO₂ impact:** Thanks to the efficient manufacturing process, the high share of renewable energy in precursor production, the upstream integration into the key raw materials like Cobalt and Nickel, as well as the short transportation route along the value chain BASF is able to reduce the cathode active materials CO₂ footprint significantly – by around 30% compared to the conventional industry standard on the market.
- **Employment:** Creation of more than 150 jobs in various areas such as production, engineering and logistics.

Key project milestones:

- Project announced on February 12, 2020
- Received construction permit in June 2020
- Grant notification within the IPCEI on batteries received in August 2020
- Construction already started in August 2020
- Start-up planned for 2022



The investment is supported by the Federal Republic of Germany and the State of Brandenburg within the IPCEI on Batteries.

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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