

## European Battery Materials Investment Projects

**BASF's investment in battery materials production in Europe will help customers keep the carbon footprint through the value chain for electromobility as low as possible.**

The new plants for battery materials production in Harjavalta, Finland, and Schwarzheide, Germany will contribute to build up a sustainable European battery value chain. Both plants will start-up in 2022 with an initial capacity enabling the supply of around 400,000 full electric vehicles per year.

BASF's cathode active materials produced in Europe will have an industry leading low CO<sub>2</sub> impact. Thanks to the efficient manufacturing process, the high share of renewable energy, 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 CO<sub>2</sub> footprint significantly – by around 30% compared to the conventional industry standard on the market.



### Schwarzheide investment

The new plant for cathode active materials is located at the BASF site in Schwarzheide, one of the largest European sites within the BASF Group after its headquarters in Ludwigshafen, Germany. 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.

The site in Schwarzheide uses an energy-efficient gas and steam turbine power plant that operates on the principle of combined heat and power generation. It is currently being modernized to further increase its eco-efficiency. Until the battery

materials plant is commissioned, the integration of renewable energies is also planned. With the commissioning of the plant, more than 150 jobs will be created.



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



### Harjavalta investment

BASF's new precursor plant is located in close proximity to partner companies in the Harjavalta industrial park. This ensures the secure and reliable supply of raw materials and also reduces the carbon footprint during transportation. To further minimize the CO<sub>2</sub> impact, the new plant will use renewable energy resources, including hydro, wind and biomass-based power. It will offer more than 100 job opportunities to the Satakunnan region and will be an important building block in the establishment of a Finnish battery value chain. The investment is co-funded by Business Finland 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**

Welcome to visit us on BASF Battery Materials website:

<http://catalysts.basf.com/batterymaterials>

Or contact us by:

[BatteryMaterialsCommunications@basf.com](mailto:BatteryMaterialsCommunications@basf.com)