

# News Release

## **BASF and Ebusbar charge up the eMobility market in China with a concept supercharging pile**

### ■ **BASF's solutions suitable for high-powered electric vehicle chargers**

Shanghai, China – September 14, 2022 – In conjunction with the inauguration of BASF's Engineering Plastics plant at the new Zhanjiang Verbund site, BASF and Ebusbar showcased a concept supercharging pile made with BASF's innovative material solutions. Ultramid® PA, Ultramid® Advanced PPA, Ultradur® PBT, and Elastollan® TPU are used in various components of the concept supercharging pile, including housing of electronic parts, charging guns, breakers, switches, safety components, cables, and a cooling system.

“The materials used in the concept supercharging pile possess excellent mechanical properties, including flame resistance and electrical insulation. Our proprietary simulation technology Ultrasim® also helps to shorten the design cycle,” said Marilyn Lye, Vice President, Business Management Industrial, Performance Materials Asia Pacific, BASF.

The prerequisites of materials used in high-powered chargers are more demanding since they have to withstand a much higher current and voltage load. As such, these charging piles need to be made with high-performance materials that exhibit excellent mechanical performance at elevated temperatures and possess high dimensional stability.

“The concept supercharging pile is a prime example of how we can meet the growing demand for high-powered chargers that are reliable, durable, and safe,” said Mr Lin Guojun, President, Ebusbar.

The stylish design of the concept supercharging pile was also supported by BASF’s [Creation Center](#).

“As China is expected to account for about half of the global electric vehicle market by 2025, the charging infrastructure is key in enabling the widespread use of electric vehicles. As such, the construction of charging piles has accelerated in tandem with market needs and government investment. High-powered charging piles, in particular, improve the feasibility and consumer experience of charging electric vehicles,” added Mr Lin.

#### **About Ebusbar**

Ebusbar is headquartered in Shenzhen, China and specializes in the high voltage connection system solution for New Energy Vehicle, including R&D, manufacturing and sales of HV connector, HV wiring harness, charging connector, PDU/BDU, relay and charging terminal. As a national-level high-tech enterprise, Ebusbar has not only built up a strong presence domestically but also supplied solutions towards world-class Tier 1 suppliers of auto-makers.

#### **About BASF**

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. Around 111,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €78.6 billion in 2021. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).

#### **About BASF’s Performance Materials division**

BASF’s Performance Materials division encompasses the entire materials’ know-how of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors – transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with deep understanding of application-oriented system solutions. Key drivers of profitability and growth are our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2021, the Performance Materials division achieved global sales of €7.29 bn. More information: [www.plastics.basf.com](http://www.plastics.basf.com).

