

News Release

CHINAPLAS 2021: BASF empowers the future with its versatile and sustainable material solutions in co-creation projects

- **New co-created products include a backpack with Lenovo, cold storage with Wiskind, trunk floor with Green & Light**
- **Conceptual autonomous wireless charger will be on display in China for the first time**
- **BASF at CHINAPLAS 2021: Hall 17, Booth no.: 17E101, Shenzhen World Exhibition & Convention Center, PR China, April 13-16**

Shenzhen, China – March 19, 2021 – At CHINAPLAS 2021, BASF will showcase co-created products made from sustainable materials, including cold storage, a trunk floor, a laptop backpack, and an autonomous wireless charger. These co-created products demonstrate how plastics can be part of the solution to increase energy efficiency, reduce emissions, minimize food waste, recycle material waste, and extend the shelf-life of products, thereby solving the challenges posed by population growth.

“Our co-created products demonstrate the potential of BASF’s material solutions and competencies in supporting customers to overcome emerging challenges for demanding applications. These solutions also help them meet evolving and increasing stringent sustainability targets,” said Andy Postlethwaite, Senior Vice President, Performance Materials Asia Pacific, BASF. “With our material solutions, we help our customers save energy, reduce resource consumption, reuse and recycle waste throughout the value chain and lifecycle of the products.”

The co-created products to be showcased at CHINAPLAS are:

- **Cold storage with composite panels manufactured from pentane-blown polyurethane (PU) Elastopir® rigid foam solution:** Co-developed by BASF and Shandong Wiskind Steel Building Stock Co., Ltd, cold storage can keep food fresh at an optimal temperature, all along the value chain, from farm to retailer. Thanks to the excellent insulation properties of Elastopir, it can save energy up to 95% and minimizes food wastage. BASF's co-created cold storage with Shandong Wiskind Steel Building Stock Co., Ltd. (Wiskind) is produced with a new pentane B1 Elastopir® system which provides extra-high temperature stability and superior fire rating that meets China's most critical new fire safety regulation for B1 core foam. Furthermore, compared to other B1 solutions, the new system has lower Global Warming Potential (GWP), contributing to a more sustainable future. In addition to this initiative, BASF and Wiskind are also working together to innovate more energy-efficient technologies for the construction of cold storage in China.
- **Trunk floor, an automotive interior part made with recycled PU waste:** Green & Light Automotive Components (Green & Light) and BASF jointly developed a trunk floor made with recycled PU waste using BASF's PU binder Elastan® CC 6521. With BASF's PU binder, trimming waste generated during the part manufacturing process can be used as a raw material to produce new semi-structural components such as trunk floors. The mechanical performance can also be adjusted by adding glass fibers. Compared to standard plywood boards, the PU waste trunk floor exhibited lower emissions and water uptake and increased lifetime and durability required of light vehicle interior parts.
- **Laptop backpack made of Haptex® and Infinergy®:** BASF jointly developed a backpack with Lenovo for its gaming laptop brand, "Legion". Made with BASF's Haptex, an ECO PASSPORT OEKO-TEX® certified material made without the use of organic solvents, the synthetic leather meets stringent VOC standards and enhance the look and feel of the backpack with its excellent haptics. Haptex also enables production efficiency as organic solvents are no longer needed. BASF's Infinergy – a material known for its superior cushioning and resilience – provides greater comfort and durability to the bag strap.
- **MobiPOWER, an autonomous wireless charger:** Conceptualized as a

convenient solution to meet the growing demand for charging infrastructure of over 75 billion connected devices, such as autonomous vehicles and smart devices in the future. Co-created by ZMP, B&Plus, and BASF, MobiPower is made with BASF's broad portfolio of advanced material solutions robust enough to house sophisticated components and sensors combining 5G, IoT, and AI capabilities, as well as durable enough for the outdoors. The design and material choice were realized with BASF Creation Center's support. As the charger is made of high-performance plastics instead of metal, it is lighter in weight and consumes less energy, enabling the charger's energy-efficient operation.

For more information on BASF at CHINAPLAS 2021, click [here](#).

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 2020, the Performance Materials division achieved global sales of €5.63 bn. More information online: www.plastics.basf.com.

About BASF

About BASF At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 110,000 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 is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2020. 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.