

News Release

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Free and independent: Portable charging for electric vehicles entirely in style

- **The Mobility Dock by LAPP utilizes BASF's Ultramid® in the housing of this portable charging system**
- **Ultramid® offers high mechanical strength and UV resistance**
- **LAPP produces mobile charger for home and on the road**
- **The Mobility Dock is on display in BASF booth B4-4303 at Fakuma, October 17 – 21, 2023**

While the automotive industry continues to undergo its most significant powertrain transformation in its history, the electric battery vehicle boom presents the industry with major challenges. As a leading supplier of cable and connection technologies, LAPP recognized this challenge in good time by developing the Mobility Dock, a portable charging system, where Ultramid® (PA), an engineering plastic from BASF, plays a vital role in the housing material of the charging system.

BASF, the world's leading manufacturer of plastics, provided LAPP with consulting support during the development phase of the Mobility Dock with its extensive materials expertise in the eMobility, electrical and electronics sectors. The chemical company's technical development department has strong expertise in the electrical industry with its engineering plastics. This enabled the company to quickly identify the ideal material to meet the Mobility Dock's stringent requirements: Ultramid® is highly mechanically resilient and UV-resistant, both properties that keep the

Mobility Dock durable and colourfast even under sunlight. The plastic is a halogen-free flame retardant and exhibits high chemical resistance. In addition, high-contrast labeling of the housing is possible by laser marking.

"Mobile charging is an important factor for the acceptance of electric vehicles, as it reduces range anxiety and increases flexibility in everyday life. We are pleased to be able to facilitate the decision to purchase an electric car with our Ultramid® material in the LAPP Mobility Dock," says Klaus Uske from Technical Development at BASF. The Mobility Dock, which features a compact, ergonomic design, conveniently charges electric and plug-in hybrid vehicles from a standard household socket. It can be stored in the trunk to save space and enables flexible charging at home and on the road. To date, the charger has received numerous awards: The German Design Award in the "Excellent Product Design/Automotive Parts and Accessories" category, the winner of the eMove360° Award for Electric & Autonomous Mobility in the area of Connectivity & Engineering, the German Innovation Award in "Gold" and the Sustainability Award in the "Mobility Concepts" category.

Dr. Simon Alig, Managing Director of LAPP Mobility GmbH, explains: "The Mobility Dock for charging is the ideal product: small, handy, and without a tangle of cables, the trunk stays tidy. Partners, such as BASF, with their application-oriented material portfolio, lay the foundation for such innovations on the way to emission-free mobility."

The mobile charging system is another step towards sustainable mobility and an example of the successful future-oriented cooperation between LAPP as manufacturer and BASF as material supplier. In order to develop viable electromobility applications such as this, the performance of the material is crucial. BASF offers a comprehensive materials portfolio for electromobility and a dedicated eMobility team of technicians, designers and materials specialists. The mobile charger will be on display in BASF's booth B4-4303 at Fakuma, October 17 – 21, 2023, Friedrichshafen, Germany.

More about BASF plastics in eMobility: www.emobility-plastics.basf.com

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 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 €87.3 billion in 2022. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.

About BASF's Performance Materials division

BASF's Performance Materials division is at the forefront of the much-needed sustainability transformation in plastics. Our products are co-created with customers around the globe to bring innovations to four major industry sectors – transportation, consumer goods, industrial applications, and construction. Our R&D focuses on all stages of the plastics journey: Make, Use and Recycle. The MAKE phase is about improving how plastics are made, from product design to the choice of raw materials and the manufacturing process itself. The USE phase enhances plastics' strengths such as light weight, robustness, and thermal resistance. At the end of the product lifecycle, the RECYCLE phase looks at how to close the loop to achieve a circular economy. In 2022, the Performance Materials division achieved global sales of €8.5 billion. Join #ourplasticsjourney at: www.plastics.basf.com.

About LAPP

Stuttgart-based LAPP is one of the leading suppliers of integrated solutions and branded products in the field of cable and connection technology. The company's portfolio includes cables and highly flexible conductors, industrial connectors and gland technology, customized assembly solutions, automation technology and robotics solutions for the smart factory of tomorrow, and technical accessories. LAPP's core market is mechanical and plant engineering. Other important sales markets include the food industry, logistics, the energy sector and mobility.

The company was founded in 1959 and is still fully family-owned. In fiscal year 2021/22, it generated consolidated sales of 1,864 million euros. LAPP employs around 5,055 people worldwide, manufactures at 19 international locations and has 41 of its own sales companies. In addition, LAPP cooperates with around 100 foreign agencies. www.lapp.com

LAPP Mobility GmbH, a wholly owned subsidiary, serves the electromobility market with a focus on Europe. With around 100 employees at its two locations in Stuttgart and the Czech Republic, it develops, produces and sells charging solutions. These are sold to car manufacturers, infrastructure manufacturers and, via trade channels, to end customers. www.lappmobility.com