

150 years



# News Release

## **New lightweight and solar powered electric scooter a boost to sustainable urban mobility**

- **Superlight ‘e-floater’ made possible with more than 80% composite and plastic materials**
- **Plastic materials enable design freedom and streamlined construction**
- **Jointly developed by BASF and Floatility**

Singapore – March 26, 2015 – BASF and Floatility have partnered for the development of an ultra-lightweight and solar-powered electric scooter. Weighing less than 12 kilograms and consisting of more than 80% composite and plastic materials from BASF, the scooter will give commuters the sensation of floating and has been aptly named ‘e-floater’.

“This is a perfect example of how we cooperate with our partners to fully unfold the strengths of our innovative materials. The e-floater combines stability, durability and safety with an exciting, functional design,” said Andy Postlethwaite, Senior Vice President, Performance Materials Asia Pacific, BASF.

BASF will provide versatile plastic materials and support the project with its extensive development capabilities. Molding multiple parts to create complex shapes with plastic materials enables design freedom and the streamlined construction of the ‘e-floater’. Various grades of glass fiber reinforced Ultramid® (Polyamide) will be used for most of the e-floater’s structure: While the mineral-filled Ultramid® B3M6 is used for the parts where low warpage is crucial, the impact modified Ultramid® B3ZG8 combines toughness and stiffness in a way that is

March 26, 2015  
P187/15e

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favorable for structural parts that have to resist crash-loads. The surface-improved Ultramid® B3G10 SI offers high surface quality to the parts despite its high fiber content. The reinforcement for front body and deck will be made with the new Ultracom™ composite materials to ensure stability.

Together with Ultralaminat™ B3WG13, a thermoplastic laminate and the adapted overmolding compound Ultramid® B3WG12 COM, BASF also offers its processing and designing support for the development of continuous fiber reinforced parts. Tires and handlebars made with BASF's TPU Elastollan® will provide a good grip and smooth floating.

Oliver Risse, Founder and CEO of Floatility added, "The cooperation with BASF enables us to develop a state-of-the-art short distance urban mobility solution to provide mobility-on-demand for the future. In this way the e-floater will play a key role in making short journeys more convenient, quick, affordable and sustainable." This bridges the gap on the last mile between home or city center and the nearest public transport.

To celebrate its 150th anniversary in 2015, BASF is rolling out a global co-creation program with partners on the topics of energy, food and urban living. In line with this program, the joint development project by BASF and Floatility aims to combine the materials and know-how of BASF with the innovative capabilities of Floatility to address a key challenge of urban environments: short distance journeys.

#### **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 a 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 2014, the Performance Materials division achieved global sales of € 6.5 bn.

More information online: [www.performance-materials.basf.com](http://www.performance-materials.basf.com)

**About BASF**

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of over €74 billion in 2014 and around 113,000 employees as of the end of the year. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at [www.basf.com](http://www.basf.com).

**About Floatility**

Floatility is the easiest and most convenient short distance urban mobility solution. We strive to make cities more attractive for people and not for cars. Our zero emission electric vehicle network solves the “last mile” problem - bridging the gap between peoples' homes or work and public transport. Further information on Floatility is available on the Internet at [www.floatility.com/](http://www.floatility.com/)