Smarter and greener

Covestro teams up with EV brand HiPhi to create next-generation solutions for mobility

- Partnership with Shanghai-based innovative electric vehicle start-up empowers smarter, more sustainable value chain
- CO2-reduced polycarbonates and coatings and adhesives solutions further support carmakers in reducing carbon footprint

Material solutions are key for automakers pursuing smarter and more environmentally-friendly mobility. In support of these trends, Covestro is deepening its partnership with Chinese premium electric vehicle brand HiPhi under a new agreement that will see the two sides jointly create solutions for future models.

Human Horizons, the Shanghai-based parent company of HiPhi, is an innovative technology enterprise targeting the global market. As a long-term partner of Human Horizons, Covestro has since 2018 been engaged in HiPhi’s R&D process in the model design stage – a breakthrough from traditional way of collaboration along this value chain. Covestro’s material solutions have been applied to HiPhi’s flagship models, such as the polycarbonate solutions that enable a “smart” B-pillar equipped with complex functions in the all-electric SUV HiPhi X. Advanced features such as facial recognition and display are embedded in the HiPhi X’s exterior B-pillar. These posts, connecting the vehicle’s roof to its body at the rear of the front door, are made possible by polycarbonates from Covestro, which enable a high-gloss appearance, dimensional stability and high-impact structure, and infrared transparency.

Covestro and HiPhi are now deepening their partnership to create next-generation solutions. HiPhi will employ an array of Covestro products, including CO2-reduced polycarbonates, bio-based clearcoat hardeners, and mass-balanced, bio-attributed adhesive solutions, following an agreement signed today at Covestro’s booth at the China International Import Expo (CIIE).

“We’re delighted to join HiPhi, a partner bringing forth more innovations. Together we will create more sustainable and circular solutions for the automotive industry, which is making intensive efforts in its decarbonization journey while going smart,” said Lily Wang, President of Business Entity Engineering Plastics at Covestro. “We at Covestro hope to collaborate with more like-minded companies, like HiPhi, to join us on this journey to the circular economy. Together, we can accelerate the decarbonization trend and smart technology development at the same time.”
For example, Covestro polycarbonate solutions have already contributed to a sustainable world by enabling lightweight cars. Today, Covestro also offers CO₂-reduced polycarbonates, such as those with post-consumer recycled (PCR) content and grades of mass-balanced, renewable attributed products.

Ding Lei, Founder, Chairman and CEO of Human Horizons, said, “Human Horizons is committed to redefining future mobility. Covestro’s high-quality polymer materials and products are key boosters to achieving a sustainable future in the automotive industry. We hope to promote this innovative collaboration with Covestro as a benchmark to encourage the whole industry to introduce innovative technologies more efficiently. In the future, Human Horizons will work with Covestro to develop innovative technologies to provide consumers with luxury high-tech mobility experience.”

On display at Covestro’s booth at the CIIE is the HiPhi Z, the latest smart sports sedan that features Covestro materials, including polycarbonate grades for the touchpad switch on its steering wheel – enabling a futuristic interactive design – as well as super lightweight carbon fiber reinforced thermoplastic composites that are also recyclable in decoration trims, and high performance waterborne polyurethane adhesives for auto interiors.

“Under the surface of futuristic design, Covestro’s low carbon material solution plays an indispensable role. We are dedicated to bringing more sustainability and higher performance into the vehicle, and deliver products of choice with automotive manufacturers,” said Zhong Xiaobin, Senior Vice President of the Coatings and Adhesives segment of Covestro in the Asia Pacific region. “We will continue to enhance the local development and production of sustainable automotive coatings and adhesives solutions to meet diverse client needs and tap the growing trend of sustainability.”

**About HiPhi from Human Horizons:**

Human Horizons is an innovative technology company focused on the future mobility experience. We take the lead to put forward the “3-Smart” strategy: Smart Vehicle, Smart Transportation, and Smart City and integrate the best of the traditional automotive industry with the fields of internet, information technology and communication, and artificial intelligence to create a premium new energy vehicle brand from China and for the world, HiPhi. Our flagship models - the evolvable supercar SUV HiPhi X and the Digital GT HiPhi Z - are developed based on the advanced H-SOA electrical and electronic architecture. With the groundbreaking concepts of “design defined by scenarios, vehicle defined by software, and value defined by co-creation”, we aim to provide the TECHLUXE® experience to our users. HiPhi Z is a TECHLUXE® smart sports sedan built with the philosophy of digital life and featured with future fashion and smart handling. Its delivery will start within 2022.

**About Covestro:**

Covestro is one of the world’s leading manufacturers of high-quality polymer materials and their components. With its innovative products, processes and methods, the company helps enhance
sustainability and the quality of life in many areas. Covestro supplies customers around the world in key industries such as mobility, building and living, as well as the electrical and electronics sector. In addition, polymers from Covestro are also used in sectors such as sports and leisure, cosmetics and health, as well as in the chemical industry itself.

The company is committed to becoming fully circular and is striving to become climate neutral by 2035 (scope 1 and 2). Covestro generated sales of EUR 15.9 billion in fiscal 2021. At the end of 2021, the company had 50 production sites worldwide and employed approximately 17,900 people (calculated as full-time equivalents).

Find more information at the Covestro Homepage.
Read our Corporate Blog.
Follow us on the Covestro Social Media Channels: 🔄 ℹ️ 🌐 🔗

Forward-looking statements
This news release may contain forward-looking statements based on current assumptions and forecasts made by Covestro AG. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those discussed in Covestro’s public reports which are available at www.covestro.com. The company assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.