

Light, sporty, and smart—MAHLE expands its range of components for e-bikes

- As an integrated systems provider, MAHLE offers connective e-bike drive systems with a hub and mid-drive motor, electronic control unit, and battery
- Extensive selection of components enables “customization off the shelf”

Stuttgart/Germany, June 18, 2019 – Following its acquisition of ebikemotion® Technologies SL (now MAHLE Ebikemotion S.L.U.) last year, MAHLE is continuously expanding its range of drive motors, electronic control units, batteries, and interactive components. One feature that sets the MAHLE drive system apart is its highly compact design. The sophisticated components fit completely into the bike’s frame and hub. As a result, it is not immediately identifiable as an e-bike. An intelligent user interface also gives the cyclist information on the cruising range, route, weather, and fitness data.

The powerful rear wheel hub motor from MAHLE weighs just 3.5 kilograms, including the battery. The compact design of the MAHLE drive system gives manufacturers unprecedented design freedom. The style is particularly attractive for racing bikes, gravel bikes, and city bikes. MAHLE also offers suitable mid-drive motors for mountain bikes and other high-performance e-bikes.

“With our innovative drive systems for light, high-performance bikes, and by expanding our product portfolio for smart bikes with a focus on connectivity, MAHLE is taking another major step toward the zero-emissions urban mobility of tomorrow,” says Thomas Kohlbauer, Vice President Mechatronics division at MAHLE.

Thanks to MAHLE's connective components, a wealth of new applications for the Internet of Things (IoT) are being developed for end customers and bicycle manufacturers. With social media, theft prevention, and sharing concepts, for example, MAHLE components are opening up new markets for manufacturers and offering the possibility of a completely new product and cycling experience.

Well-known manufacturers such as Orbea, Colnago, Pinarello, and Bianchi have already opted for MAHLE's drive system. MAHLE's versatile systems competence and agile project teams played an important role in this decision. MAHLE aims to continuously expand and strengthen its position in the smart bikes segment.

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer for the mobility of the future. The MAHLE Group is committed to making transportation more efficient, more environmentally friendly, and more comfortable by continuously optimizing the combustion engine, driving forward the use of alternative fuels, and laying the foundation for the worldwide introduction of e-mobility. The group's product portfolio addresses all the crucial issues relating to the powertrain and air conditioning technology—both for drives with combustion engines and for e-mobility. MAHLE products are fitted in at least every second vehicle worldwide. Components and systems from MAHLE are also used off the road—in stationary applications, for mobile machinery, rail transport, as well as marine applications.

In 2018, the group generated sales of approximately EUR 12.6 billion with more than 79,000 employees and is represented in more than 30 countries with 160 production

locations. At 16 major research and development centers in Germany, Great Britain, Luxembourg, Spain, Slovenia, the USA, Brazil, Japan, China, and India, more than 6,100 development engineers and technicians are working on innovative solutions for the mobility of the future.

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