

Press Release

NCTE presents customized e-bike sensors at Eurobike 2021

Smart and robust measurement technology for all e-bike drives - regardless of installation space and series size

Munich/Oberhaching, August 23, 2021: NCTE (www.ncte.de) will present its sensor solutions for e-bike drives from September 1-4, 2021, at Eurobike in Friedrichshafen, Hall A1, Booth 202A.

NCTE sensor technology measures torque, speed, and direction of rotation by magnetizing the existing shaft in the e-bike drive. When the sensor technology registers a change in pedaling, it immediately sends the corresponding signal to the drive, which directly supports the pedaling motion of the rider - or directly interrupts it if necessary for safety reasons. Precisely measuring the rider's force on the shaft is the basis for a harmonious riding experience. If the drive jerks and the e-bike accelerates with a delay, the riding experience and thus the overall impression suffers.

Lightweight and space-saving for the best riding experience

The sustainable advantage of contactless sensor technology: it does not require maintenance and can be produced cost-effectively in any quantity. Since the sensor technology with magnetic technology is maintenance-free, the sensor functions as long as the e-bike rides - precisely even in the presence of strong vibrations and dirt. The battery life is also extended by the intelligent switching on and off.

The lightweight and space-saving sensors are suitable for all e-bike drives, whether in the bottom bracket, mid-engine, hub motor (front or rear wheel drive). Since the magnetized shaft itself is the central component of the sensor, e-bike manufacturers do not have to modify or glue any components and do not have to plan for additional space in the drive during development.

"Our sensor solutions are robust, sustainable and flexible to use. This allows manufacturers to leverage new potential in their e-bikes. The technology may not be visible, but everyone will feel it immediately when the e-drive engages without jerking," says Jürgen Uebbing, CEO of NCTE AG.



NCTE develops and manufactures its sensor technology in the highest quality "Made in Germany" and supports e-bike manufacturers with its know-how from the development phase to series production. The contactless sensor technology is already used in numerous city bikes, cargo bikes, mountain bikes and special-need bikes. NCTE counts companies such as Fazua, Pendix or GoCycle among its customers.

Image material

You will find high-resolution image material <https://ncte.com/en/pressemitteilungen/eurobike2021>

About NCTE AG

NCTE is a specialist in non-contact sensor technology using the principle of elastic magnetostriction. The medium-sized company employs 40 people at its site in Oberhaching near Munich. NCTE develops, produces and sells sensor solutions that measure mechanical forces (torque, force, shear, speed or bending) in a completely non-contact manner - as standard sensors and customer-specific solutions, both in individual production and for series production. Customers include Mercedes, Red Bull Racing Team, Schaeffler and Trumpf.

More at: www.ncte.de

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