

CAN Newsletter Online

E-BIKE AND E-SCOOTER TRACKER

Analyzing battery status, mileage, service data, and more via CAN

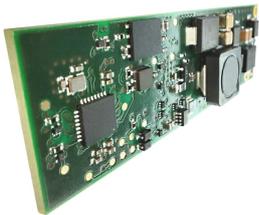
Super Tracker developed an IoT (Internet of Things) GPS tracker and a SaaS (software as a service) platform displayed through a native app solution. They combined performances of tracking and SaaS solutions that are currently available on the market and then added features.

Because it has CAN connectivity, data about such things as the motor, servicing, or battery usage can be analyzed, transmitted, and updated in real time using OTA, just like in a Tesla. The IoT module supports the latest mobile transmission standards, such as LTE-M/NB-IoT and 2G as a fallback, explained the company from Austria.

Internal sensors measure the temperature, centrifugal forces, and vibrations, which can be analyzed for trouble-shooting purposes and which will also record information about any accident. A push message function allows an accident or theft to be reported, and thefts are 100 % insured by the tracker which is named "Super Tracker" just like the company. Due to the API (application programming interface) with encrypted data transfer, Super Tracker is able to communicate with all other market-relevant systems, said the company. The platform and backend are modular and hosted in Europe by AWS.



Super Tracker was founded in 2019 by Richard Hirschhuber, Markus Edinger, and Martin Floeck (Source: Super Tracker)



(Source: Super Tracker)

The e-bike and e-scooter tracker, which is 5,5 cm long and 18 mm wide, is equipped with Bluetooth as regular and is developed and produced to industrial quality levels, the company added. Customized sizes and chip functionalities are possible, even in small quantities, due to the 100 % in-house production in Austria.

The partners Richard Hirschhuber, Markus Edinger, and Martin Floeck have experience in e-mobility, GPS technology, as well as the automotive industry. The results of two years of testing on 3000 e-bikes show how mature the revolutionary Super Tracker already is, said MD Richard Hirschhuber.

According to the company, the tracker can be retrofitted to any existing e-bike and e-scooter on the market. The combination of the IoT tracker, the SaaS platform, and the app has created potential for wider sharing and for other mobility solutions. The product can be seen at the IAA Mobility 2021 from 7th to 12th September, 2021.

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