

IoT trackers make the last mile more efficient

Thanks to Drive & Track, citkar always has an eye on the usage data for its e-cargobikes and can therefore offer customers predictive maintenance and better reliability.

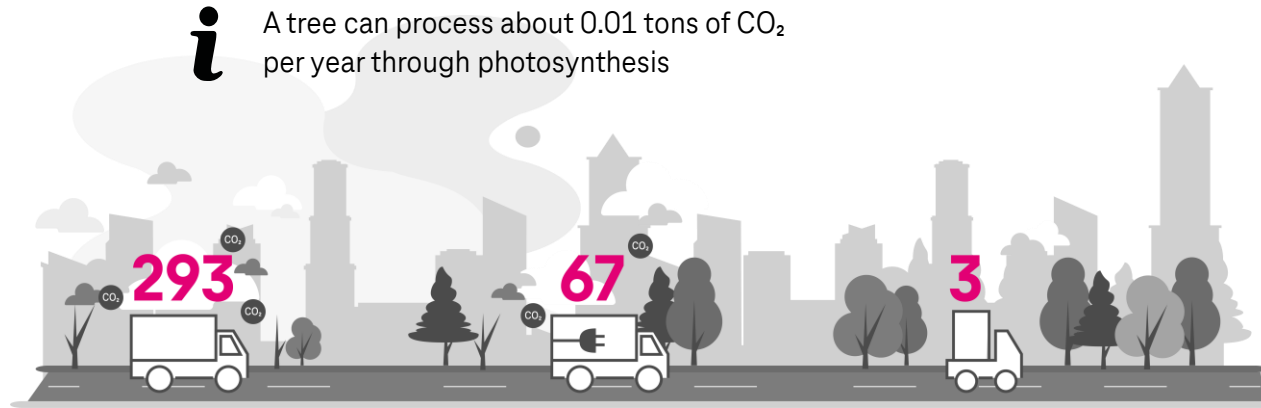
The Challenge

citkar is the manufacturer of Loadsters, a four-wheeled e-cargobike that helps delivery services and transport companies get through city traffic more eco-friendly and efficiently. To optimize reliability and quality assurance as well as implement predictive maintenance, citkar wanted to be able to access usage data of the bikes as well as digital checkbooks.

The Solution

citkar now employs [Drive & Track](#) IoT trackers on the Loadsters collect data on the speed and distance traveled and transmit it to the [Cloud of Things](#). Via the Fleet Complete online portal, citkar can view this information as well as the digital checkbooks.

The Customer Benefit



A **car** with an internal combustion engine emits 2.93 tons of CO₂ per 10,000 kilometers

An **electric car** produces 0.67 tons of CO₂ emissions per 10,000 kilometers (electricity generation)

The **Loadster** generates 0.03 tons of CO₂ per 10,000 kilometers (power generation)

The data allows citkar to ideally plan the maintenance cycles of the Loadsters and implement predictive maintenance. This improves the reliability of the e-cargobikes and prevents breakdowns. In addition, the manufacturer can improve quality control and replace fragile components. Firstly, citkar's customers save financially: instead of paying 11.20 euros for a car with an internal combustion engine or 4.10 euros for an electric car, they pay an average of just 0.70 euros per 100 kilometers with the Loadster.

Transport & Logistics

