

Smart lock integration for e-bikes: IoT Venture and VELO DE VILLE set new standards

Darmstadt, 4 November 2024. Darmstadt-based technology expert IoT Venture GmbH has developed a new solution for the integration of smart locks that makes locking e-bikes even easier and more secure. A first example of this technology can be found at long-time partner and e-bike manufacturer VELO DE VILLE, which has implemented the use case in cooperation with I LOCK IT.

This innovation is already in use at the Luxembourg Post Office, which is equipped with VELO DE VILLE e-bikes. Thanks to the IoT integration in the lock, employees can access the e-bike fleet virtually at any time and keylessly via "keyless go" - without the hassle of managing keys. At the same time, the fleet portal can be queried at any time to ensure that the bikes have been properly locked after use.

This is a huge benefit, especially for fleet operators: Bikes can be remotely checked for their security status and locked if necessary. This feature makes fleet management much easier, especially for large companies or organisations using e-bikes.

"We focus on the highest quality and smart technologies for our products in order to offer our customers the best e-bike solutions. By integrating smart systems into our bikes, we can offer our users even more comfort and safety and stay at the forefront of technological development," explains Daniel Bucher, Product Manager IoT & Connectivity at VELO DE VILLE.

I LOCK IT, the partner in this first implementation, enables this remote functionality on VELO DE VILLE's e-bikes through the seamless integration of IoT Venture's IoT solution. "Our mission is to create innovative safety solutions that are convenient and reliable. The collaboration with VELO DE VILLE and IoT Venture allows us to take our vision of intelligent bicycle safety to a new level," says Markus Weintraut, CEO of haveltec GmbH, the company behind I LOCK IT.

Press Release



Company portrait IT'S MY BIKE

IT'S MY BIKE is a brand of IoT Venture GmbH. The company develops and sells GPS trackers which, in conjunction with an app, open up a new kind of service world for e-bikes. IT'S MY BIKE uses the innovative narrowband NB-IoT and LTE-M wireless standards for its products. As low-power wide area network (LPWAN) technologies, these are a cost-effective solution for the Internet of Things thanks to their low energy requirements and high building penetration and range. Another advantage is that the technologies utilise existing networks. IT'S MY BIKE's activities include the development of hardware and software (embedded systems) and the provision of the necessary data platform (cloud solution).

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