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IoT Venture integrates the Bosch Live Data Interface

IoT Venture is among the first providers to use the Live Data Interface from Bosch eBike Systems for a connected theft protection and service solution. For bicycle manufacturers, this removes the need for an integration project of their own. Once the GPS tracker is fitted, ride data from the smart system is available in IoT Venture's service ecosystem, and riders see it where they are already looking, in their own brand's app.

Bosch released the Live Data Interface at the end of April 2026, opening up ride data from the smart system to third-party devices and apps via Bluetooth Low Energy. At launch, Garmin brought the interface to selected Edge cycling computers, showing riders performance values on a familiar display. IoT Venture uses the same interface for a different purpose. The data feeds into its own service ecosystem, where it is combined with tracking, theft protection and digital service functions.

For manufacturers, the work of integrating with the Bosch system themselves disappears. Via the Bosch interface, one and the same connection works across models on every eBike with the smart system, delivers identical data points across an entire fleet and carries over into model-year updates without a separate decision. The route from product idea to delivered service becomes correspondingly shorter.

"With the Live Data Interface, every manufacturer gets the same access without setting up a project for it, and delivers immediate added value to its customers. That was exactly our aim when we put the interface on our roadmap early on," says Mario Petters, COO of IoT Venture GmbH.

On the customer side, this results in functions that are noticeable in everyday use. Because the battery level is known, the app reminds riders to charge before their next ride, instead of the problem only becoming apparent as they set off. From the state of charge and the real ride data of the individual bike, IoT Venture also calculates its own range estimate. It does not come from the drive unit but from measured everyday consumption. At very low charge levels, a clear charging prompt takes its place, because a figure in kilometres would promise more than it can deliver. The odometer reading provides the basis for maintenance and service prompts that match actual usage rather than the calendar, and it can be recorded in the digital service book. In this way, drive data from the Bosch system becomes part of IoT Venture's existing connected bike ecosystem.

The status of the Bosch eBike Lock also comes through the interface. In the brand's app, the drive unit's immobiliser now sits directly alongside tracking and theft protection from IoT Venture. Two separate layers of protection become a single view in which customers can see at a glance how their bike is secured.

None of these functions stands on its own. They build on what IoT Venture already operates for manufacturers: real-time tracking, active theft protection and the Bike Hunter Recovery Service, which locates and recovers stolen bikes. Delivery runs through each brand's own app. Ride data from the smart system makes that offering more complete, because the bike's condition now sits alongside its location.

Company profile IoT Venture GmbH

IoT Venture GmbH connects high-value assets to the internet, thereby enabling data-based services and new digital business models. The company develops data signatures that accurately reflect the use, condition and value of assets using its own IoT modules, a scalable cloud platform and white label apps. This technology can be used across all industries, particularly in connected mobility and the connected bike sector. These solutions allow manufacturers, insurers, leasing companies and fleet providers to integrate digital services directly from the factory, implement new business models and develop long-term customer relationships.

IoT Venture GmbH combines hardware and software development, a data platform, app integration and the operation of data-based services, providing everything from a single source. Founded in 2016, the company is headquartered in Darmstadt and has an additional office in Cologne.

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