Battery-free IoT with Bluetooth beacons from Wiliot

IoT | Product Data Sheet

PRODUCT OVERVIEW

Our IoT solution is based on the Wiliot BLE chip technology (battery-free) and the Wiliot data platform. Assets equipped with Wiliot pixels can provide real-time data on location and environmental data in the reading fields and thus provide the „digital twin" of the asset

We take the data from the Wiliot platform and make it available as live data via a WebApp or long-term data via PowerBI

The software can be customized to optimally support the desired processes

Optionally, we can provide the interface directly from the Wiliot platform to the customer system, e.g. via Kafka

As a system integrator, ecobyte also takes care of selection, positioning, configuration and monitoring of the required hardware components and the Wiliot Pixel

FUNCTIONS AND FEATURES

Functions in processes
 Visualizations of
 · Location and zone transitions
 · Temperatures
 · Tracing (map)
 · Stocks per location or zone
 · Asset Heartbeat
 · Hardware monitoring

Notification of configurable events, e.g. „Temperature above or below"

Triggering of automated quantity transfers between locations

Hardware
· Wiliot tags for cardboard and plastic from all certified manufacturers
· Bridges in different versions from all certified manufacturers
· WLAN gateway

Software
· Configuration of the Wiliot platform
· Provision of the Wiliot AR app
· ecobyte web platform with visualization of live data and/or long-term data, master data management and event management

SYSTEM- AND PROCESS REQUIREMENTS

· Assets with Wiliot pixels with a defined quality level
· Clearly describable and executed processes
· WLAN in the zones
· Minimum dwell times of assets in the read areas (approx. 5 sec)

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INTEGRATIOS

- Kafka data stream from the Wiliot platform to higher-level systems
- RestAPI (http post, csv-file, JSON) for automatic transfers between locations

SECURITY AND DATA PROTECTION

Security: Data encryption, rights and role concept for authorized users

PRICING

In principle, pricing is determined individually on the basis of a detailed process analysis in the following gradations

- On-site demo: 2 daily rates + travel expenses
- Proof of concept in the process: 1 to 2 weeks with up to 1000 pixels, 2 locations with several zones, temporary hardware, detailed report and recommendation for further steps: approx. 45 T€
- Pilot project: after consultation, depending on number of pixels, locations, time period, hardware requirements
- Rollout
- In live operation: costs for data provision, support and hardware service

SUPPORT AND TRAINING

- **Training:** On site during commissioning,
- Online video tutorials and written instructions
- **Support:** Customer support by e-mail and live chat between 7:00 and 17:00.

CUSTOMER REFERENCES

- WBG Pooling
- Further references on request