

THEFTEX Visibility Solutions



SHAREHOLDER OVERVIEW

Who is standing behind us?



around 40%: HELVETIA VENTURE FUND

55M CHF Venture Fund, based in Luxemburg.



around 60%: Andreas Giessler

The CEO & Founder owns around 60% of the shares.



Financial Strength

Helvetia (Swiss Insurance) supports us in every situation and even for expensive major customer projects.



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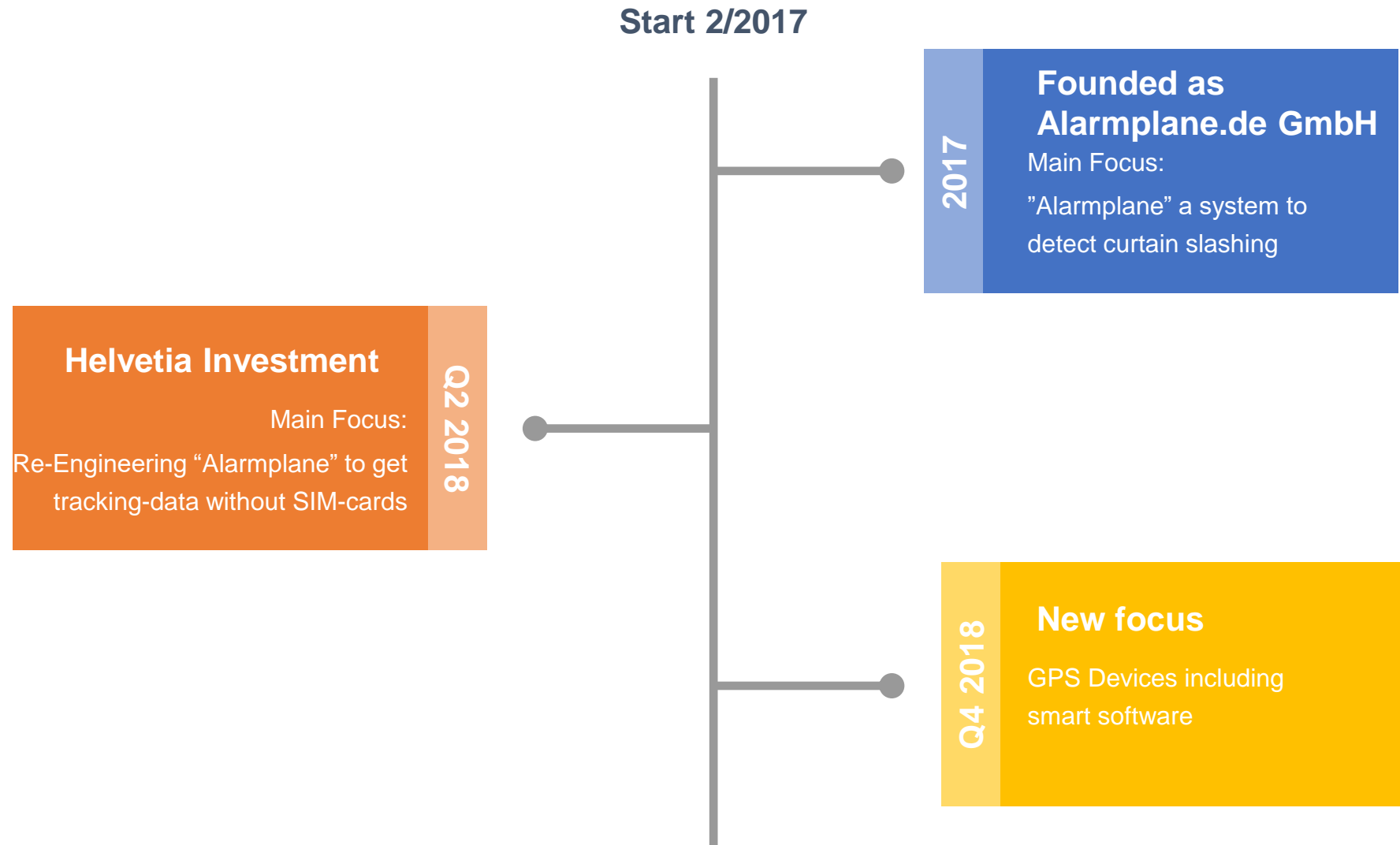


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THEFTEX TIMELINE SLIDE



Improvements

- Release of new Tracking Devices
- Release of our Tracking Portal
- Release of our AutoID Platform

2019

Global Connectivity

We found a new USSD based communication technology to achieve global connectivity

2020

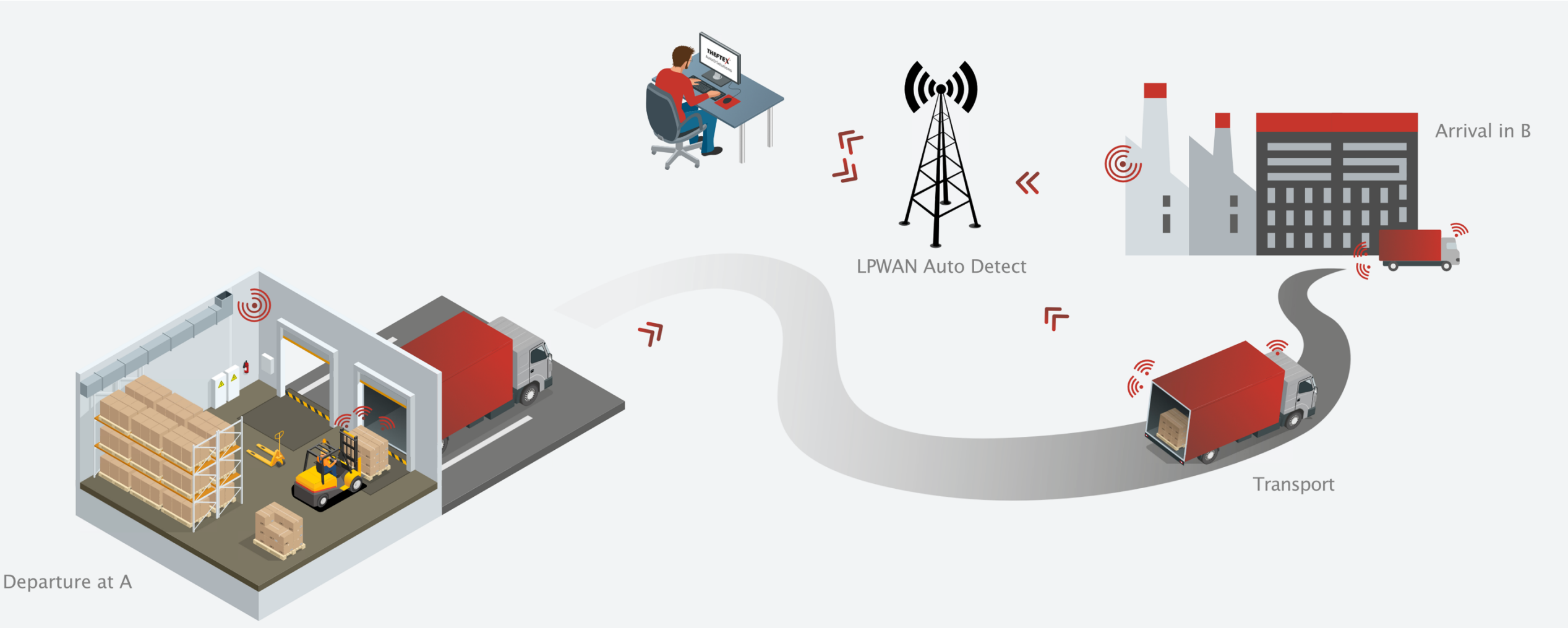
Theftex Netherlands B.V.

We founded Theftex Netherlands B.V. with our former supplier to get a skilled in-house Engineering Team

2020

today

Products & Services : AutoID



Products & Services : AutoID



Dispatch

- Auto ID automatically recognizes goods and assigns them to the destination and recipient
- With the help of passive and active components, current location is clearly identified – even without stationary installations
- Access to local networks is not absolutely necessary for this

Products & Services : AutoID



Transport

- During the transport current location is regularly transmitted and it is checked whether the shipment is still complete
- Transfer is done via LPWAN / USSD directly to Theftex[®] AutoID

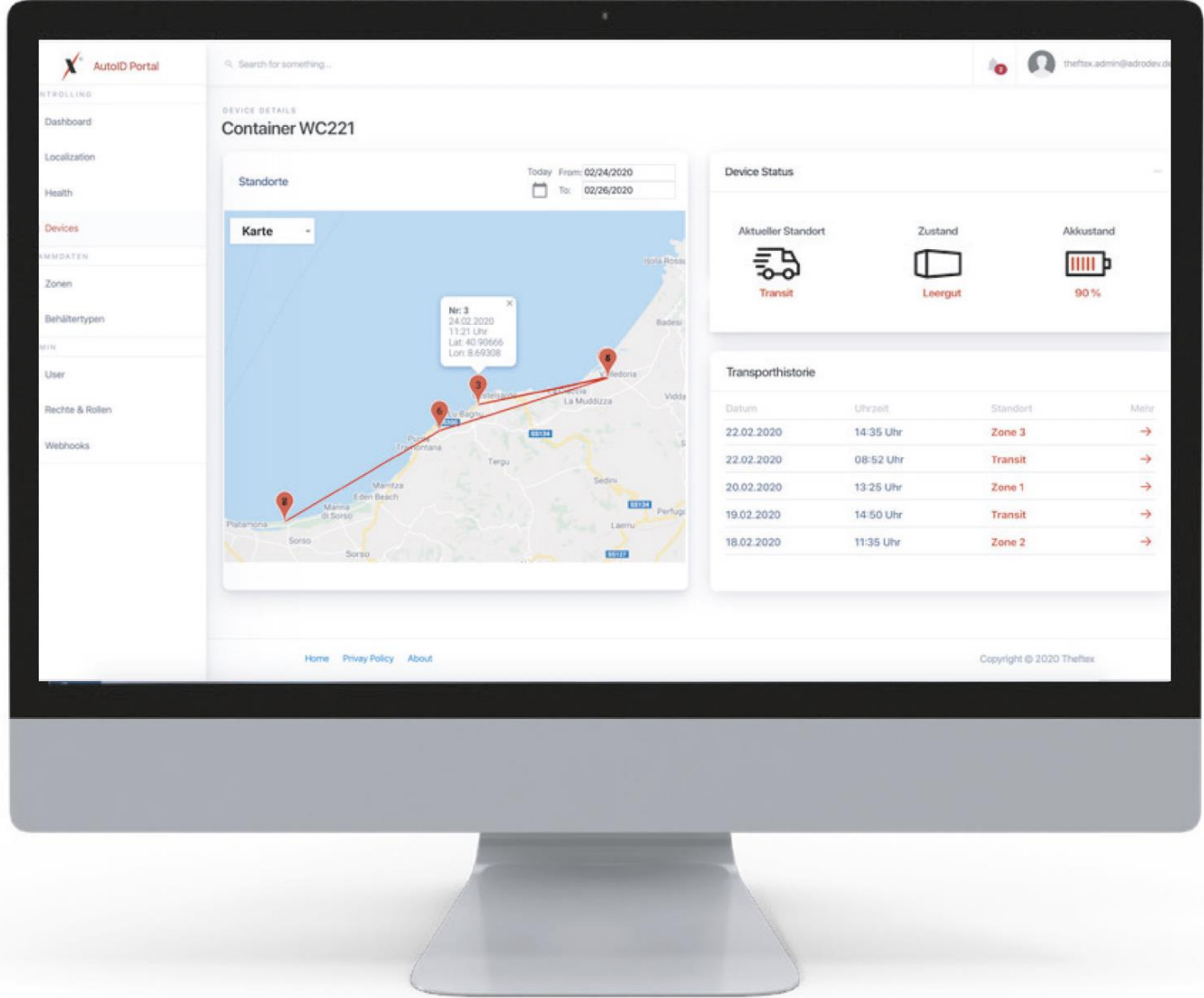
Products & Services : AutoID



Cargo Processing

- Arrivals and departures at a warehouse are automatically detected by the system and customer-specific statuses (e.g. empties, full containers) are recorded
- Indoors, various zones such as goods receipt, picking and goods issue can be measured with high accuracy

Products & Services : AutoID



Transport details for every ULD including status, location etc. are always available

Optional:
Instead of active tracking devices, cargo can be equipped with cost efficient BLE beacons.

As long as there is 1 active device in the truck, our Theftex® AutoID can detect the complete shipment to send notifications if one beacon disappears.

We call it „Mother-Child-Concept“

Products & Services : AutoID

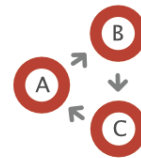
- ▶ Browser support: Mozilla Firefox, Microsoft Edge, Microsoft Internet Explorer 11
- ▶ Offline data storage (offline caching)
- ▶ data export function (as Excel and CSV)
- ▶ Distributed system based on microservice architecture
- ▶ Web-based user interface (responsive also for use on mobile devices)
- ▶ BackEnd Performance freely scalable
- ▶ Authorization management (role assignment and authorizations by customer)
- ▶ Multi-tenancy functionality
- ▶ Documented REST API object-based (GET, POST, PUT, DELETE)
- ▶ Internal data export via PULL (REST API) and PUSH mechanisms: WebHook & MQTT Broker
- ▶ availability of the system via Software-as-a-Service
- ▶ Data storage within the European national borders
- ▶ optionally as „on-premise“ installation on the IT systems of the customers
- ▶ Data storage in relational and NoSQL database in parallel
- ▶ Integrated data sources for the transmission technologies: NB-IoT (LTE Cat-NB1), Sigfox, LoRaWAN network server, layers for back-end, API and front-end completely separated by services (back-end with MQTT server, asynchronous interaction of the microservices via a high-performance message queue, hierarchical structure of the tenant)

Products & Services : AutoID

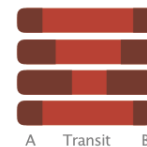
Automated Report and evaluation function

Includes a built-in reporting system with dashboard functionality. The following KPIs and evaluations are available in real time:

- ▶ Target/actual comparison (target data = AutoID, actual data to be entered by the customer via CSV or Excel)
- ▶ Entry and exit from defined zones is visible at all times
- ▶ Stocks in the individual zones separated by equipment type and supplier
- ▶ Evaluation according to location quality and signal strength of the different location technologies, subdivided by technology (GPS, Glonass, Galileo, Wifi, BLE) for each individual measuring point
- ▶ RSSI (in dB)
- ▶ SNR (in dBm)
- ▶ SatCount (number of satellites used for positioning)
- ▶ Signal (in dBm)
- ▶ Storage of master data with transaction data
- ▶ Process alarm in each case at low battery level, error message during the day and at missing daily health check
- ▶ Evaluations of time and period considerations for the analysis of process times



Stock Analysis



Process Time Analysis



Usage Statistics

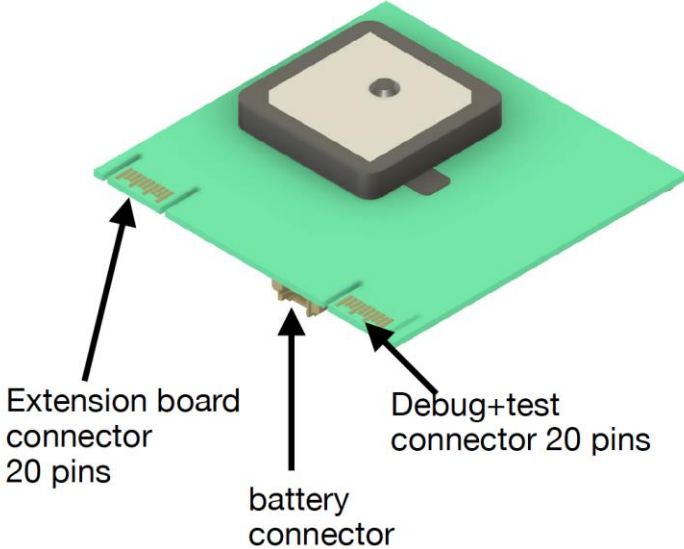


Automated Scanning

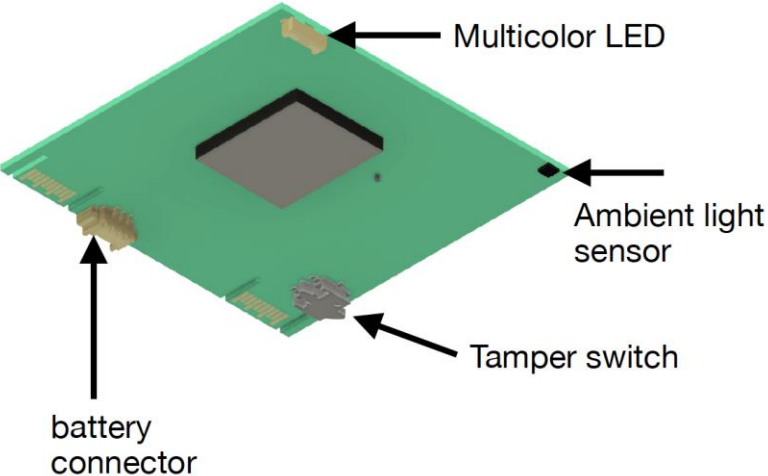
Products & Services : Hardware for AutoID



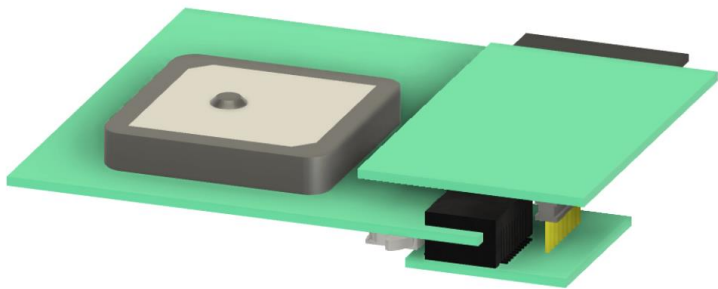
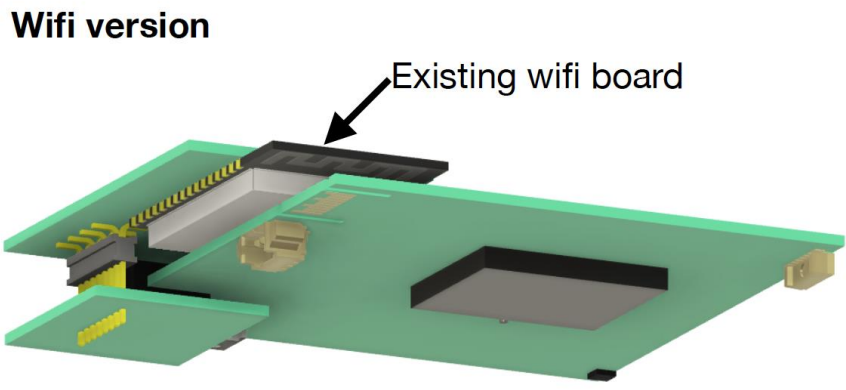
Main PCB top side-view



Main PCB bottom side-view



Products & Services : Hardware for AutoID



Products & Services : Hardware + Firmware for AutoID

➤ Hardware Specs:

- Enclosure is IP67 tested
- CE-Certified
- DO160 tested (for Aviation)
- 2x 3D Accelerometer
- GPS, Glonass and Galileo in parallel
- BLE and WiFi Module
- Transmission Technology: **USSD**
(Unstructured Supplementary Service Data)

➤ Firmware Specs:

- Daily self test of all sensors incl. battery level
- Everything that is not automatically generated, can get programmed within a few days



Order quantities > 10.000 devices include:

- customized enclosures
- customized PCB designs if any specific dimension is specified
- customized sensor-placing (for example if a tilt/temperature/vibration sensor is needed)

Products & Services : USSD Communication

- Why USSD is the best method for communication

- ✓ Extremely energy-efficient
- ✓ NB-IoT with fallback options for 2G, 3G, 4G, LTE and 5G
- ✓ Global coverage except the following countries:

Belarus, Bhutan, Comoros, Cuba, Eritrea, Ethiopia, Guine-Bissau, Iran,
North Korea, Sao Tome e Principe, Somalia, Swaziland, Syria and Venezuela

Products & Services : How we handle big quantities



Rund 7.220 BLG-Mitarbeiter übernehmen täglich die Verantwortung für die reibungslose Logistik hochwertiger Produkte. Damit sind wir eine wichtige Schnittstelle für die Leistungsfähigkeit unserer Kunden.



- › Berlin
- › Cuxhaven
- › Elsdorf
- › Frankfurt
- › Krefeld
- › Offenburg
- › Böblingen
- › Dodendorf
- › Emmerich
- › Hamburg
- › Leipzig
- › Remshalden
- › Bremen
- › Düsseldorf
- › Erfurt
- › Hörsel
- › Ludwigsfelde
- › Schlüsselfeld
- › Bremerhaven
- › Duisburg
- › Falkenberg
- › Kelheim
- › Melle
- › Sindelfingen
- › Butzbach
- › Eisenach
- › Falkensee
- › Koblenz
- › Neuss

Pre-financing of Hardware: covered by Helvetia



Production capacity: > 500.000 devices per week



Logistic Service Provider: BLG Logistics



- BLG operates in 29 locations
- only in Germany with a staff of ca. 7.000 employees
- BLG can assume the following tasks for us:

- ✓ Inbound Logistics
- ✓ Assembly
- ✓ Device Registration
- ✓ Outbound Logistics (JiT possible)
- ✓ Complaint processing incl. reverse logistics

Source: <https://www.blg-logistics.com/de/kontakt/standorte/deutschland>

YOUR CONTACT OVERVIEW

Main contacts

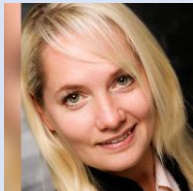


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