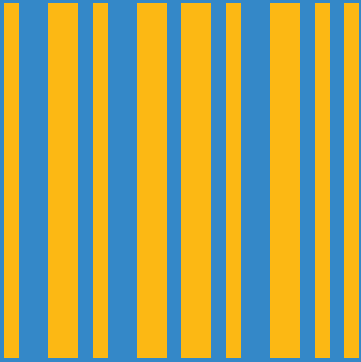# Smart Label: Enhancing **VISIBILITY** and **EFFICIENCY** with advanced technologies

With increasing globalization and complex networks of suppliers and logistics partners, seamless tracking of goods shipments is often difficult. To meet this challenge, advanced technologies and systems must be used to ensure real-time visibility and minimize shipment delays or losses. This allows you to optimize your processes and routes in a variety of ways, as well as being informed when an incident or delay occurs, allowing you to respond in timely manner.

One of the challenges that often arises is the lack of continuity throughout the supply chain, especially during the transitions between different modes of transportation and distribution channels. In collaboration with the IT company, Bechtle, Lufthansa Industry Solutions (LHIND) has developed a flexible unique solution that addresses these challenges and other features to ensure a successful supply chain management.

The solution includes both convenient hardware provision by Bechtle and IT-supported management with the Locating Engine and Analytics Platform (LEAP) from LHIND.

Cost effective hardware

Every tracking solution requires hardware to collect the data. Some of the benefits of this hardware include:

- The low cost per message
- The accuracy of the location data
- The lifespan of the device and how long it can run for without being replaced

The Smart Label

The Smart Label, a postcard-size, ultra-thin tracker can be attached to any asset, from the container level to the package level, allowing you to track any item in your supply chain.

Combining energy-efficient, low-cost electronics with various battery technologies, the device can send up to 30,000 messages with a lifespan of over 5 years, reducing the need for replacement or exchange.

With its precise and adaptive behavior, you can easily adapt it to your specific use case. Its sensors (temperature, humidity, movement, and shock) and accurate location positioning, allows you to capture in real time everything about your shipment while it is in transit.

It is designed to be reusable and refurbishable, giving you the best value, mitigating costs and increasing your ROI.

Some of its characteristics are:

- Flexible hardware that allows it to be tailored to different implementations and modes of transport
- Extended lifetime (allows up to 30,000 messages depending on the variant)
- High location accuracy
- Customizable reporting frequency, fully integrated within the application and customer requirements
- Add-ons of external calibrated sensors for seamless monitoring of temperature, humidity and other environmental conditions

Manageability

Complete administration of the device lifecycle, from ordering and delivery to the subsequent collecting and refurbishment of the devices.

Through LEAP, you can control all of your devices with different designs, configurations and requests.

Integration

Easy-to-use systems and processes that enable incorporation into operational processes throughout the supply chain.

Easy affiliation with external systems and third party services through standard interfaces and intelligent event management.

Sustainability

Its unique hardware design allows devices to be refurbished, reducing its carbon footprint and limiting electronic waste.

Consulting and training

With our depth knowledge and experience in supply chain management, we can train and support your team to streamline your processes and get the most out of the holistic solution.

Lufthansa Industry Solutions

Lufthansa Industry Solutions is a service provider for IT consulting and system integration. This Lufthansa subsidiary supports its customers in the digital transformation. Its customer base includes not only companies within Lufthansa Group, but also more than 300 companies in a variety of industries. The company is based in Norderstedt and employs over 2,600 people at 14 sites in Germany, Albania, Switzerland and the USA. Lufthansa Industry Solutions is one of the 25 largest IT consultancies in Germany.