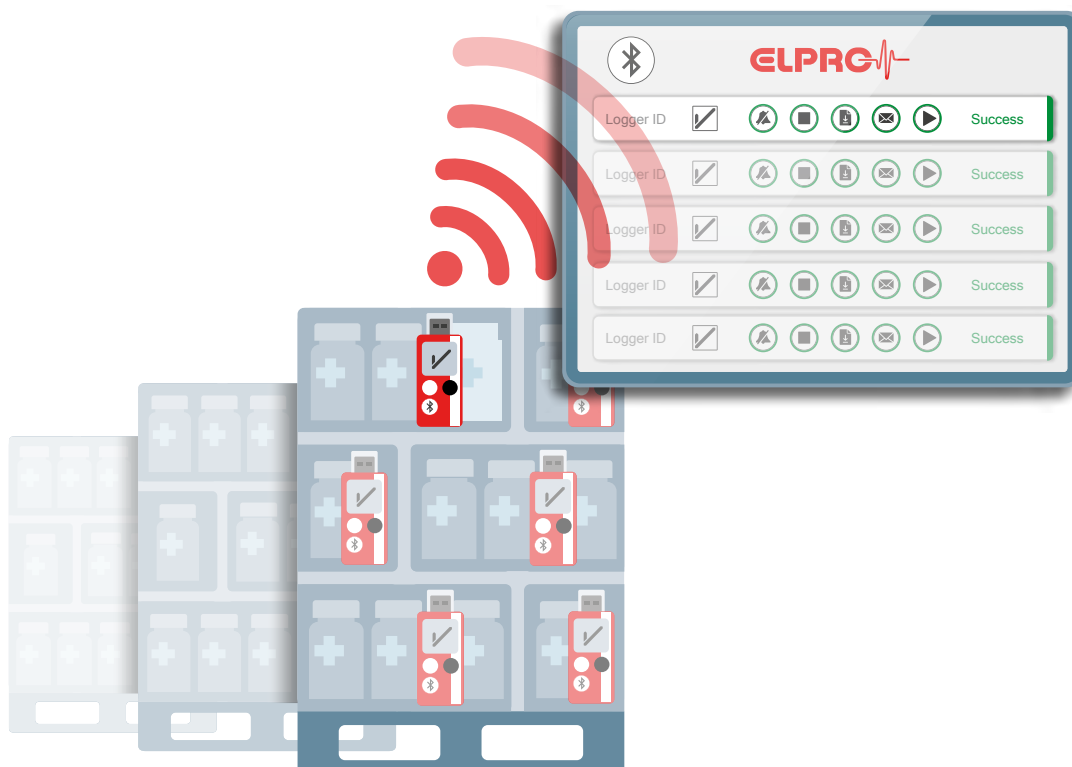# LIBERO Cx BLE Automation Solution

Hands-free Automated Cold Chain Monitoring Solution

The wireless, Bluetooth® low energy (BLE) automation solution revolutionizes traditional manual processes by automating monitoring device detection, readout, and report distribution. ELPRO's LIBERO Cx BLE automation solution, including the proven LIBERO Cx BLE data loggers, eliminates human error and inefficiencies through continuous wireless monitoring. It offers unparalleled efficiency, enhanced safety, faster product release and significant cost savings in the transportation and storage of pharmaceuticals and perishable goods.

> **Bluetooth® Low Energy:** Enables fast and reliable "hands-free" operation
> **Filtering Criteria:** Manage large volume, complex workflows with multiple logistics providers
> **Automated Reporting:** Ensures faster product release and streamlined data distribution
> **Deep Signal Penetration:** Automated device detection in multiple box types
> **Battery Saving Device:** Optimized for low power consumption; longer lasting (up to 2 years)
> **Password Protection:** Enhanced security to safeguard shipment data integrity
> **Secure Application:** Protects device configuration and ensures product data integrity
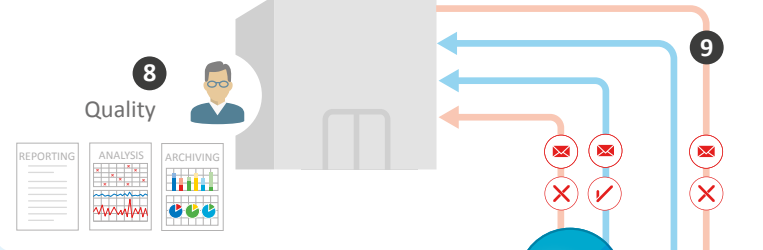

we prove it.

✚ SWISS QUALITY

LIBERO Cx BLE data loggers

> Wireless PDF data logger
> Measures temperature and humidity
> Multi-level alarming
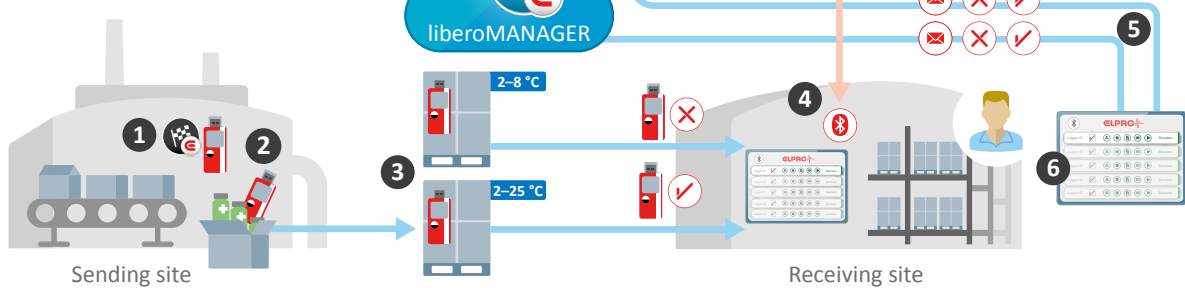> Stability budget management
> Fully GxP compliant

Hands-free automated cold chain monitoring with LIBERO Cx BLE automation solution

Workflow deviation

8 Quality

REPORTING ANALYSIS ARCHIVING

Temperature within temperature profile
Temperature excursion (= ALARM)
E-mail notification
Read-out via Bluetooth®
SmartStart
liberoMANAGER

Standard workflow

7 liberoMANAGER

2–8 °C
2–25 °C

Sending site

Receiving site

1. Configure with SmartStart Pack & Go and optional integrate automation key

2. Start data logger and send out shipment

3. Recording of temperature and humidity during transport

4. Hands-free automated readout of all incoming data loggers via LIBERO Cx BLE app on site

5. Data is automatically sent via e-mail to the cloud or to a personal e-mail inbox

6. Immediate release of shipments with OK status in the app list view

7. Auto assessment of data in the cloud database liberoMANAGER

8. Data analysis by quality manager

9. Release after assessment by quality to the warehouse manager on site

An ELPRO representative near you is ready to help with your compliant monitoring needs.
Contact us today at ELPRO.com

Download the app on smartphones, tablets or PCs on Android, Apple iOS and Windows.

Process automation currently available on Android only – other operating systems coming soon.

Download on the App Store

GET IT ON Google Play

elpro.com