Liquid Concept
The Food People



Location (GPS/GNSS/GSM): Worldwide live tracking for seamless route monitoring.

Temperature: Precise monitoring of product and ambient temperature (-15 to +85 °C). Food safety

Fill level (time of flight): Exact fill-level measurement for automated stock control.

Internal pressure: Continuous pressure measurement warns of leaks and residual pressure.

Shock and tilt: Integrated sensors record impacts or free fall.

Access control: A light sensor inside reports any unauthorised lid opening.

The digital guardian of your liquid logistics.

Maximum security and 100% transparency – with no IT effort on your part. Smart Log is a self-contained, highly intelligent sensor module mounted directly on the container lid. It turns our stainless steel IBCs into connected data hubs that transmit all key information live to your customer portal, LC Cloud.

Occupational safety and handling

Opening containers safely

The challenge: Before pressure vessels are opened (e.g. for cleaning or draining residues), potentially dangerous residual pressure may be present.

The smart solution: Smart Log continuously measures the internal pressure. An LED directly on the device gives your staff clear visual feedback: if it lights up green, the pressure has dropped to a safe level and the lid can be opened without risk. If it lights up red, the container must be vented first. A major gain for occupational safety.

Quality assurance and compliance

Complete HACCP documentation

The challenge: Sensitive goods such as food or cosmetics require rigorous proof of proper transport and storage conditions.

The smart solution: All measured values flow into LC Cloud in real time. If the temperature changes critically or the lid is opened without authorisation (light alarm), you are notified immediately. Export the complete data history with one click as legally compliant proof for your customers – effectively preventing complaints.

Maximum operational safety

Certified for ATEX zones

The challenge: Solvents, flammable substances or vapours mean that many industries face the highest explosion protection requirements.

The smart solution: Smart Log is certified to the highest industrial standards and approved for use in potentially explosive atmospheres (ATEX Zone 0 inside | Zone 1/21 outside). Thanks to an extremely long-lasting battery (over 1 year of operation), the system works completely autonomously. You get full digitalisation without compromising on safety.

Your digital control centre
All real-time sensor data, documents and fleet management in one central portal. Including an API for seamless ERP integration, 100% GDPR-compliant.



LC Cloud

Ready for the logistics of the future?

Talk to our experts and make your liquid logistics smarter, more flexible and more secure.

Liquid Concept GmbH & Co. KG
Werner-Otto-Straße 6 b
22179 Hamburg, Germany
Phone +49 40 807957-40
Web: www.liquid-concept.eu
Mail: info@liquid-concept.eu