

EDGE ORCHESTRATION FOR SMART LOGISTICS

About CTHINGS.CO

CTHINGS.CO provides secure, scalable edge orchestration for distributed Edge AI and IoT environments. The Orchestra technology stack combines an AI-enabled orchestration platform, a hardened embedded operating system, and industrial-grade Edge IoT hardware to connect and manage devices, applications, networks, and data in one environment. It helps enterprises, system integrators, and solution providers accelerate deployments, simplify lifecycle management, and securely operate multi-vendor infrastructure—from a single site to global fleets.

About Cavea

Cavea® develops hybrid RTLS solutions that turn the physical movement of assets and people into reliable, real-time location data for process automation, analytics and AI. Instead of relying on a single technology, Cavea® combines AoA, BLE, Cavea® Mesh, and RFID in one architecture. This allows for more cost efficient setups and keeps location data accurate across large, complex industrial sites. At the core is the Tribrid® Tag B1 L, which works across all four technologies in a single device. The result is precise tracking that scales, adapts to existing infrastructure, and holds up in demanding production environments. Cavea® engineers and manufactures its own hardware in Europe (HQ Goslar, Germany), built to ISO-certified processes, and is part of the Bornemann Group.

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The Challenge

Industrial environments are often facing difficulties with operational ‘blind spots’ caused by manual processes and fragmented data. These inefficiencies lead to **high operational costs, frequent production delays** and **data vulnerability.** Organizations need a clearer way to understand how logistics spaces and assets are actually being used - how equipment is moving between areas, and where time is being lost. Fragmented information across paper-based documentation, disconnected manual scanning systems, and assumptions are making it hard to build an objective, real-time view of asset utilization and movement flows. Without structured, reliable data, reducing production stops, optimizing equipment levels, and making measurable operational improvements remains difficult.

The Solution

By integrating Cavea®’s tracking solutions into the **CTHINGS.CO Orchestra Platform** and **Edge IoT Gateways**, to provide high-quality location data for **process automation,** more **transparency**, and a **low TCO** through simplified deployment and efficient use of existing infrastructure. Orchestrated edge processing further **improves resilience and data sovereignty** for our customers. This way tracking solutions operate while sensitive location data can remain on-site, supporting compliance and security requirements. The result is a future-proof RTLS architecture that is fast to deploy, easier to operate, and provides a convincing ROI.



The Result

- **100% paperless** process documentation
- **95% less** manual scanning needed
- **60% reduction** in production stops
- **30% less** equipment needed
- **20% more efficient** space utilization
- **2 hrs. saved** per employee per day

Our collaboration with CTHINGS.CO is a strong step towards future-proof RTLS architectures. By combining CTHINGS.CO's edge capabilities with Cavea®'s tracking expertise, we create scalable, resilient solutions that meet the demands of modern industrial environments.



PHILIPP STELZER
Cavea® GmbH | CPO

Our partnership enables organizations to seamlessly unify advanced RTLS capabilities with robust edge orchestration. By combining the CTHINGS.CO Orchestra Platform with Cavea®'s tracking expertise, we empower enterprises to transition from simple monitoring to true process automation. Together, we eliminate operational blind spots and manual inefficiencies, delivering the real-time intelligence needed for a resilient, future-proof digital supply chain.



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CTHINGS.CO | Chief Commercial Officer

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