

Efficient real-time transparency across the entire container cycle platbricks® container management meets IoT

Initial situation and challenge

The challenges for companies in connection with the container cycle are manifold. This involves managing the entire life cycle of containers, including delivery to customers, collection, processing and disposal. Management and control in intralogistics and along the supply chain is complex and time-consuming.

Common approaches such as manual account management or Auto-ID already offer comprehensive assistance here, but still reach their limits due to the complexity of supply chains.

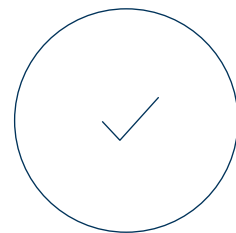
To achieve maximum efficiency in container management, companies need an automatically generated overview of all containers and their position and status in real time.

platbricks® container management meets IoT

In collaboration with our partners and IoT experts Bornemann and Flowcate, we offer platbricks® container management meets IoT, a holistic tracking and management solution for reusable containers that transparently maps the container pool in real time.

No scanning, no booking! The containers are booked fully automatically - from location to location, from storage location to storage location - and are located with an accuracy of up to one meter. The basis for this is the Bornemann mesh on Wirepas basis technology, which enables this tracking with a minimum of hardware, 100% wirelessly and without access to local infrastructure.

Your advantages



- 100% automated bookings
- End-to-end transparency (own and external locations)
- Plan, control and react in real time
- Quick and easy commissioning thanks to minimal hardware requirements
- Open solution architecture ensures unlimited flexibility and scalability based on industry standards

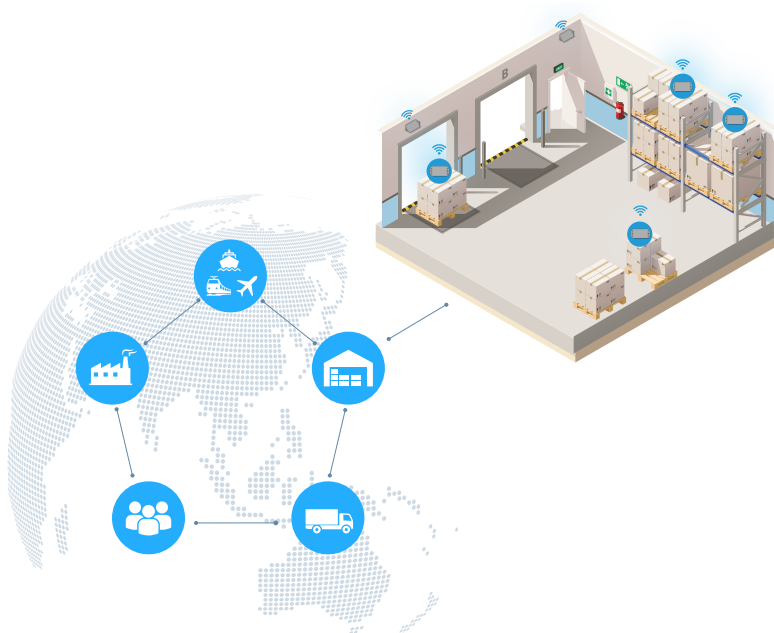




Thanks to Flowcate's DeepHub® and the omlox industry standard, the easy-to-implement overall solution is open and can be used universally as an independent solution or complementary to other (possibly existing) technologies and solutions. With this partner solution, we offer you a complete solution approach, from the installation of the sensors and technological integration to the control software.

Savings potential

- Reduction of container shrinkage
- Reduction of the container pool due to higher degree of utilization and improved planning of containers
- Reduction of administrative costs for operational container management
- Reduction in costs for special transportation, alternative packaging or delivery delays/bottlenecks
- Reduction of manual scanning and booking processes for loading equipment and thus elimination of incorrect scans



Core functions

platbricks® container management meets IoT

- Connection of ERP or WMS systems via standard interfaces
- Account assignment and storage bin management
- Container master data
- Container disposition
- Inventory management
- Mobile app (goods receipt/goods issue)
- Analytics

Flowcate DeepHub®

- Standardized connection of third-party systems (hardware and software)
- Mapping of trackables (as digital twin)
- Cross-technology geofencing
- Web UI with „Search & Find“ function

Bornemann Cavea

- Cavea positioning engine (positioning engine)
- Bornemann Mesh with Wirepas inside
- Bornemann Hardware: Mesh Tag, Mesh Anchor, Mesh Gateway
- Battery-powered infrastructure for years of service life
- Unrivaled scalability
- High precision from 1 to 2 meters
- Industry standard compliant
- Hosting
- On-premises
- Event Management
- Device Management
- Geo-related analytics

Further questions? Please get in touch with us.

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As an international IT specialist, Arvato Systems supports well-known companies in their digital transformation. Around 3,300 employees at over 25 locations worldwide stand for a high level of technical understanding, industry expertise and a clear focus on customer needs. As a team, we develop innovative IT solutions, bring our customers into the cloud, integrate digital processes and take over the operation and support of IT systems. We can also map entire value chains as part of the Arvato Group, which is part of the Bertelsmann Group. Thanks to our strong strategic partner network with top international players such as AWS, Google, Microsoft and SAP, we are continuously strengthening our expertise and relying on state-of-the-art technology. We Empower Digital Leaders.

bornemann®

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