The Smart Dry Container

Asset visibility, cargo security and data-driven planning

The global container shipping industry faces many challenges: route disruption, port congestion, labour shortages, extreme weather and increasing demand for sustainability.

ORBCOMM's innovative smart dry container technology enables shipping lines to drive decisions with data, strengthening customer relationships, differentiating services and creating new revenue streams through complete supply chain visibility and comprehensive cargo monitoring.

The smart dry container is here

ORBCOMM's solution is the first that digitalizes global dry container shipping at scale, providing visibility and traceability for shipping lines and their customers so they can turn data into decisions for their maritime operations. With asset location tracking, cargo status monitoring and issue alerts, shipping lines can optimize planning, estimate arrival times, ensure cargo security, improve asset utilization and reduce costs, creating a more sustainable and streamlined supply chain.

Data-driven containers

Improve planning with 24/7 visibility
Get location and status at every point of every asset's journey with remote data, geofencing and historical trip reporting. Reduce planning uncertainty with shipment visibility and traceability for accurate, predictive ETAs so shippers, BCOs and 3PLs can identify issues and quickly deploy corrective measures to mitigate delays.

Enhance cargo security
Monitor cargo status to ensure a high level of delivery quality with alerts of tampering, unauthorized door opening and out-of-range temperatures, and provide proof of status at all stages of the journey to reduce insurance claims and allocate risks more accurately.

Optimize the supply chain
Minimize asset downtime and streamline distribution with early notifications of arrival times and delays.

Drive improved container utilization by identifying usage and wait patterns on a port-by-port basis.

Safety and reliability at sea
Get uninterrupted reporting even in the harshest conditions with secure messaging, AIS compatibility and vessel-based networks. Ruggedized, explosion-proof certified and IP69k-rated solar-powered devices provide safe, secure and durable operating conditions for crews.

Strengthen customer relationships
Shipping lines can use live data, historical reporting and integration through open APIs to differentiate container services and potentially create new revenue streams with actionable analytics.

Key features

Comprehensive location reporting
GPS locations with geofence reporting and configurable reporting frequency.

Global SIM, 4G LTE and Bluetooth 5
Provides the widest coverage and lowest cost communications.

Integrated solar panel
Requires as little as 10 minutes of daily sunlight, depending on settings and operating conditions.

Long lifecycle battery
Provides up to three months of operation at 75% capacity without sun exposure.

Fast deployment
Install in as little as one minute with minimal skills and tools thanks to an intuitive design.

IP67 and IP69K rating
Robust and fully sealed to ensure the highest level of protection against dust and water for maritime applications.

Ruggedized enclosure
Withstands shock, vibrations and temperatures ranging from -40 to +85°C and built to fit narrow corrugations in containers.

Built for harsh environments
ATEX Zone 2 certified to help meet international safety regulations.

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> ORBCOMM's advanced dry container solution offers the features and functionality we need to seamlessly manage our dry containers, while ensuring we **improve the efficiency, safety, profitability and customer service levels throughout our complex global supply chains**.
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> **Olaf Habert**
> Director of Container Applications at Hapag-Lloyd
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> **Hapag-Lloy**

Communications-ready
Connectivity I/O options for door and other BLE sensors.

Temperature monitoring
Ensure cargo parameters are being met with remote temperature monitoring.

AIS integration
Track assets anywhere, even underdeck and at sea, with vessel tracking and AIS integration.

Installation and commissioning tool
Activate and pair electronically with an intuitive mobile app.

Data-ready
Integrates with multiple ORBCOMM platforms and services.
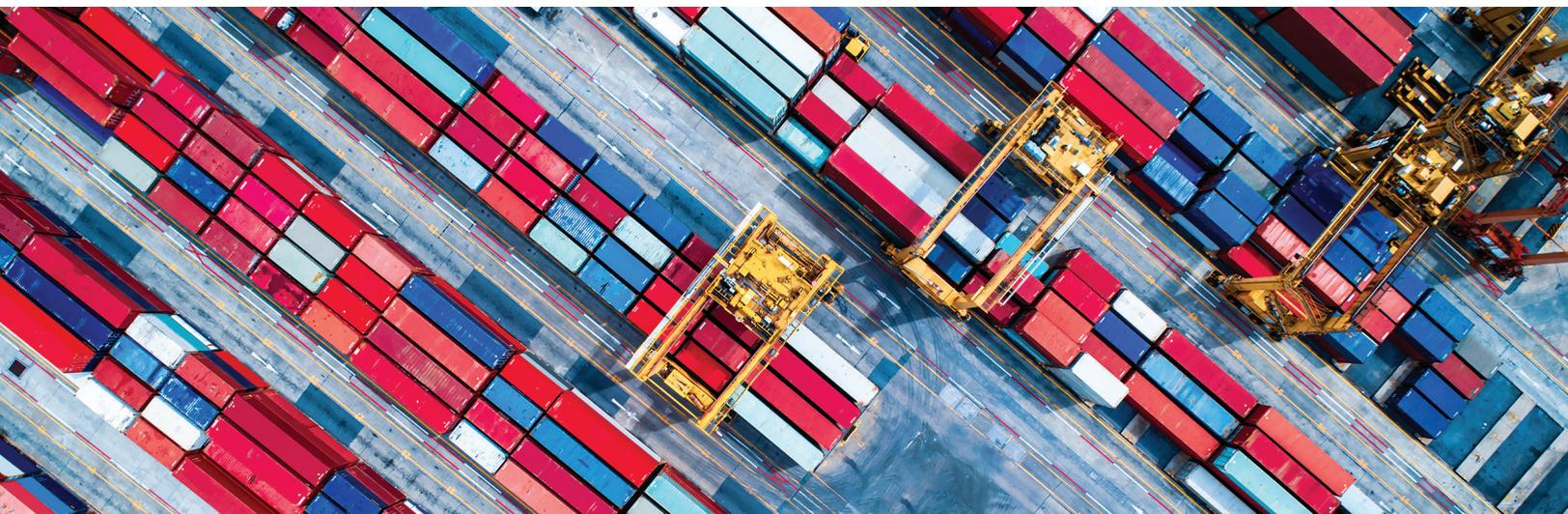
Five reasons to choose ORBCOMM

1 All in one platform

Get a single view of all your assets—container, reefer, chassis and gensets—all on one screen. A unified view makes it easier for shipping lines to monitor, analyse, plan and optimize the entire asset journey in the supply chain on one platform.

2 Proven

Choose a solution proven through decades of experience and expertise—ORBCOMM developed the industry standard for remote monitoring and management of refrigerated containers and cargoes, deployed on more than 300,000 reefers worldwide. ORBCOMM's reefer tracking solutions deliver complete visibility and control for improved cargo operations.

3 Always connected

With our vessel-based networks, satellite-based AIS data service, refrigerated asset tracking, multiple terrestrial and satellite network technologies and 24/7 data-monitoring services, ORBCOMM offers unmatched global coverage to support diverse use cases and mission-critical information streams, even for assets far at sea.

4 Interoperable

Supporting communication standards and data models set by the COA and DCSA, ORBCOMM's devices and open platforms allow easy data sharing with partners, customers and other stakeholders to integrate seamlessly with third-party devices, data streams and enterprise platforms.

5 Innovative

ORBCOMM multimodal solutions combine tracking and sensor hardware, connectivity services and applications to deliver complete device-to-dashboard solutions. This end-to-end approach eliminates the time, expense and headaches involved with integrating different elements from different vendors.

For more information on our solutions or to book a demo:
Email: **sales@ORBCOMM.com** | Call: **1-800-ORBCOMM**

Visit our website **www.ORBCOMM.com**

ORBCOMM®

WHERE IoT POWERS ASSET INTELLIGENCE™

ORBCOMM is a global leader in industrial IoT, delivering visibility, intelligence and efficiency to the world's most critical operations. With 30 years of innovation and more than 2.4 million connected devices, we transform data into actionable insights, driving greater efficiency, safety, resilience and sustainability. Serving customers that include the world's largest shipping lines, over-the-road trucking fleets, cold-chain transportation fleets and a global network of IoT solution provider partners, ORBCOMM is where IoT powers asset intelligence.

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