



WHERE DATA DRIVES DECISIONS

IoT: The Backbone of the Smart Shipping Ecosystem

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ABOUT ORBCOMM

Proven, trusted leader with 15+ years of experience in maritime asset monitoring technology

First reefer container IoT deployment in 2007

First large-scale dry container IoT deployment in 2022

Largest aftermarket container IoT player worldwide

600,000+ Reefer containers deployed since 2009

850,000+ Intermodal containers and dry trailers deployed since 2017



NEW DEMANDS FROM IoT

From visibility to transparency

Increasing cargo protection

Focus on container security and integrity

Competitive differentiation for shipping lines

Interoperable data

Sustainable future



SMART CONNECTED DRY CONTAINERS

Container tracking

Door sensor

Geofences

Alerts and notifications

Impact monitoring

Ambient temperature alerts

Optional vessel network



ORBCOMM AND HAPAG-LLOYD

Large scale deployment

“Live Position”

Full on-demand visibility

Door-to-door

Real-time decision-making and risk mitigation

Better planning



DATA-DRIVEN CARGO CARE TO REDUCE SPOILAGE

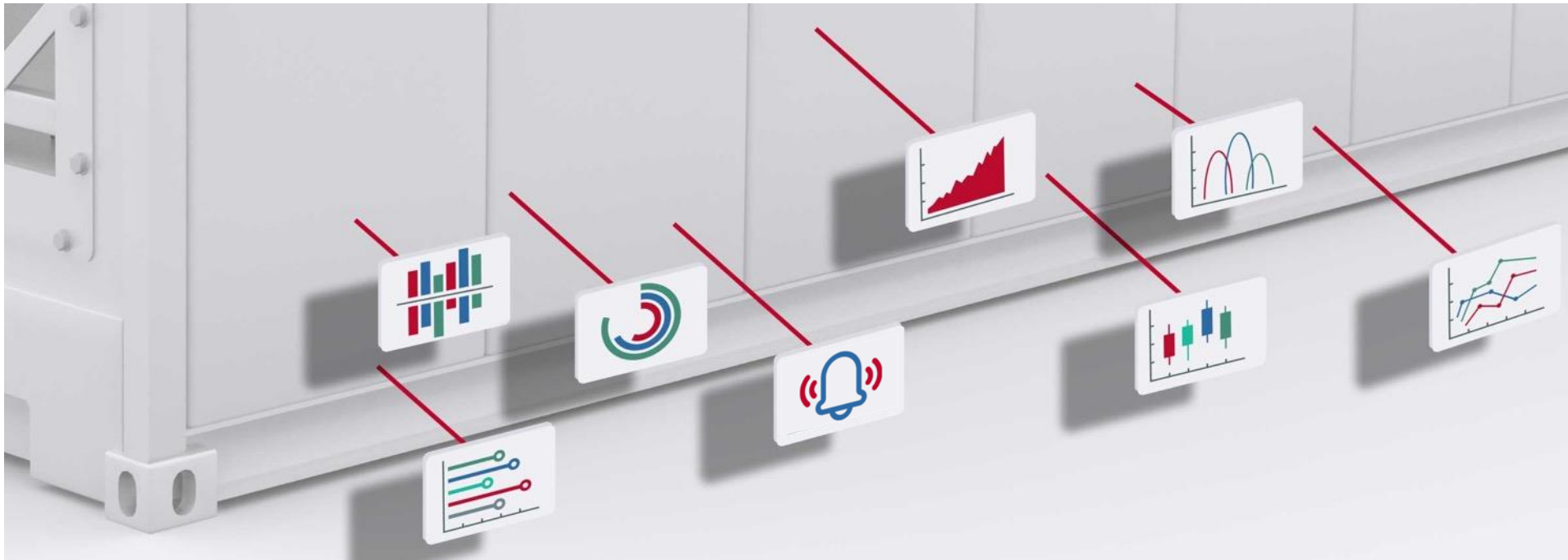
Business rules engine in ORBCOMM's container software platform

Identifies cargo-affecting events on live bookings

Customizable rules, alerts and event triggers

Profiles created for cargo types, SLAs: deviation alerts

Assign profiles to one or groups of containers



INTEROPERABILITY: ZIM EXAMPLE

Mix of telematics devices, reefer OEMs and platforms

Different tracking devices from third party vendors

Single pane of glass solution

Data interoperability and standardization

API integration with *ZIMonitor*



Gil Lehmann, ZIM

"ZIM can leverage the unique interoperability to access data from multiple types of OEM and third-party telematics devices through a comprehensive, integrated platform."

SUSTAINABILITY

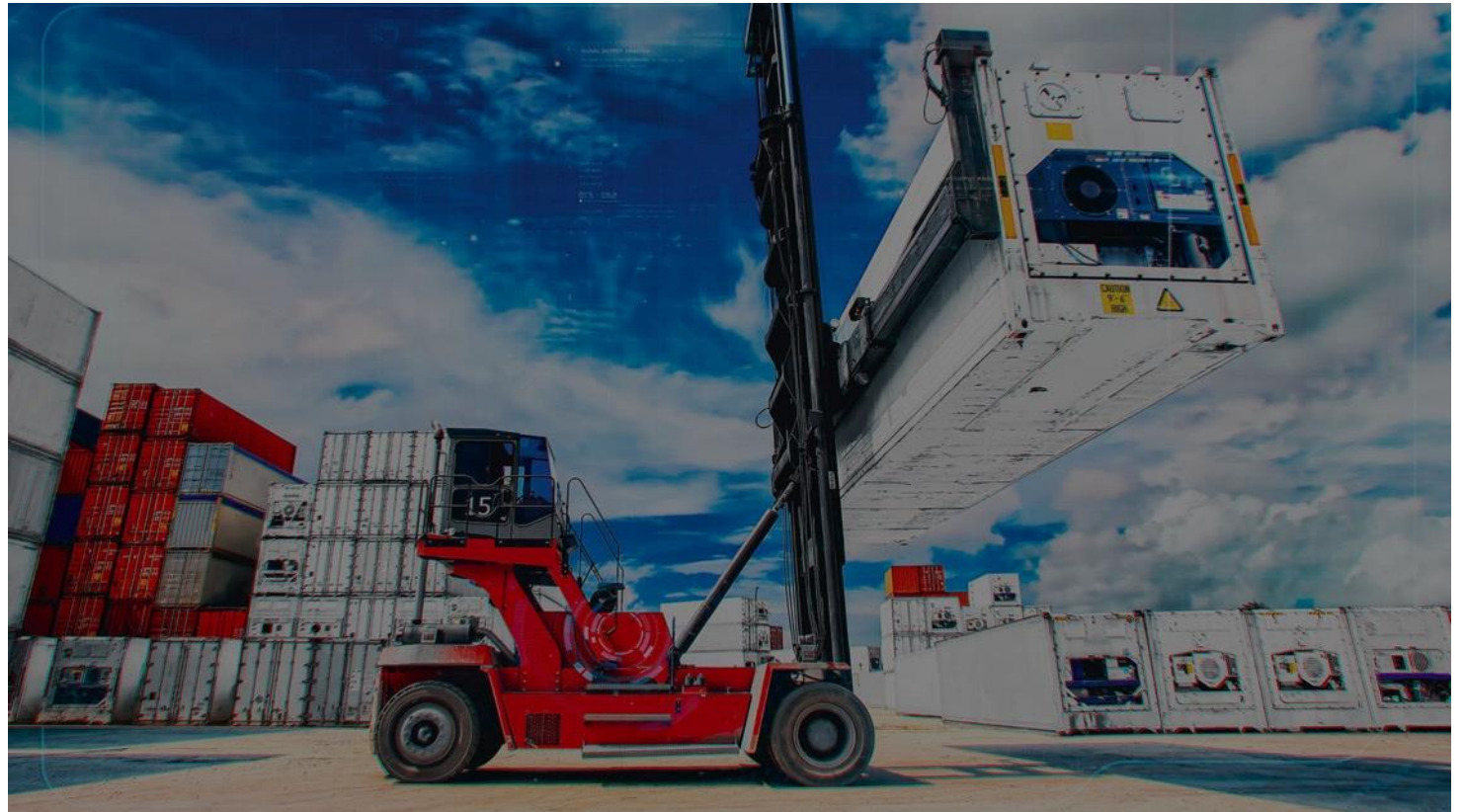
Decarbonising reefers

Tackling food waste and product spoilage

Decreasing reefer energy usage

Crew safety through automation

Reducing container repositioning



LOOKING FORWARD

Advanced sensor technology

Data delivery fully independent of OEM, device type, location

OEM fitted devices

Multiple data service levels to end users,
cargo owners

Predictive maintenance



Thank you!

Want to continue the conversation?

Come to Booth D68 and we would love to meet you, or we can schedule a call to talk about how container IoT can help your business.

Contact us: info@ORBCOMM.com

Visit our website: www.ORBCOMM.com

Any questions?

