

IOWA SDK | USE CASE | MARITIME LOGISTICS



Traxens' solutions accelerate real-time data acquisition improving supply-chain visibility. To implement the solution, Traxens builds container mountable, robust IoT devices for securely collecting and reporting data.

"IoTerop's IOWA addresses the challenges of building sustainable asset tracking solutions. Using IOWA's documented structured approach enables us to develop interoperable future-proof IoT solutions opening the door to powerful new services and use-cases."

--Lucas Moulin, VP Product Management and CX

KEY CONSIDERATIONS:**Efficient, Future-Proof Connectivity:**

The solution needed to be efficient, supporting long battery lifespans while assuring all current and future networking options, such as 2G/3G/4G, LTE Cat 1, mesh network, and eventually satellite.

Zero-Touch Device Management:

Traxens' business case is dependent on the ability to securely configure and operate a massive number of remote sensors with as few human interventions as possible.

Interoperability:

Reduce resources needed to provide rich device management functionality while aligning with [logistics industry IoT "interoperability" goals](#) highlighted by the Digital Container Shipping Association.

Standardized Data Models:

LwM2M's library of standardized data models supports the logistic industry's digital vision of sharing data in real-time from production site to the last-mile.

BENEFITS:

- Reduce development costs and time-to-market.
- Meets the technical, operational, and strategic requirements.
- Future-proofs connectivity options.
- Supports wider industry goals and business case.

