Track Value
Everywhere connected

**INNOVATION & TECHNOLOGY
FOR A SMARTER FREIGHT AND LOGISTIC**
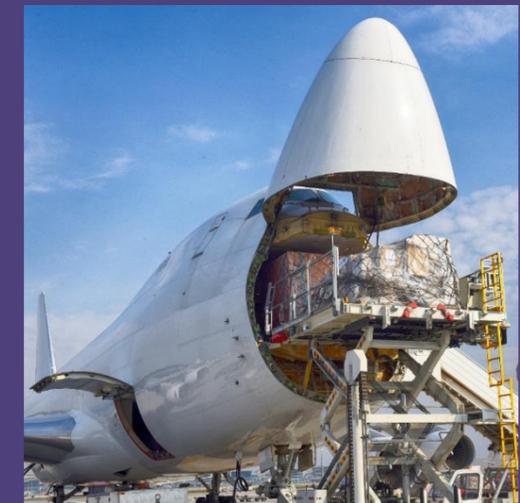
EUROPORTE   kerlink
communication is everything

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**GUARANTEE THE SAFETY OF GOODS AND
THE SMOOTH RUNNING OF TRANSPORT OPERATIONS.**

**IMPROVE TRANSPORT QUALITY AND RELIABILITY
FROM A TO Z.**

EUROPORTE, France's leading private rail freight operator
and a wholly-owned subsidiary of the Getlink group,
and **KERLINK**, a global provider of solutions dedicated to the
Internet of Things (IoT) OFFER A VERY INNOVATIVE
TRACEABILITY SOLUTION TO OPTIMIZE THE LOGISTICS OF
ASSETS.

Track Value is a revolutionary traceability and monitoring
solution for all freight activities (road, rail, air and sea). This
is the first industrial application dedicated to the freight and
logistics sector to incorporate data transmission via Kinéis
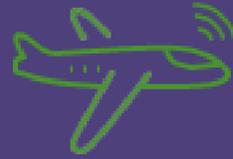space connectivity.

SMART TRAIN USE CASES

- Estimated time of arrival (ETA), geofencing, mileage, non-forecasted stop detection
- Key business data collection (temperature, shock, humidity, transported load, door opening detection)
- Brakes remote maintenance, blocked brake detection, vibration analysis
- Sensitive asset temperature measurement
- Access security detection

SMART AIR USE CASES

- Geofencing
- Continuous use of the tracker (on air)
- Key business data collection (temperature, shock, humidity)
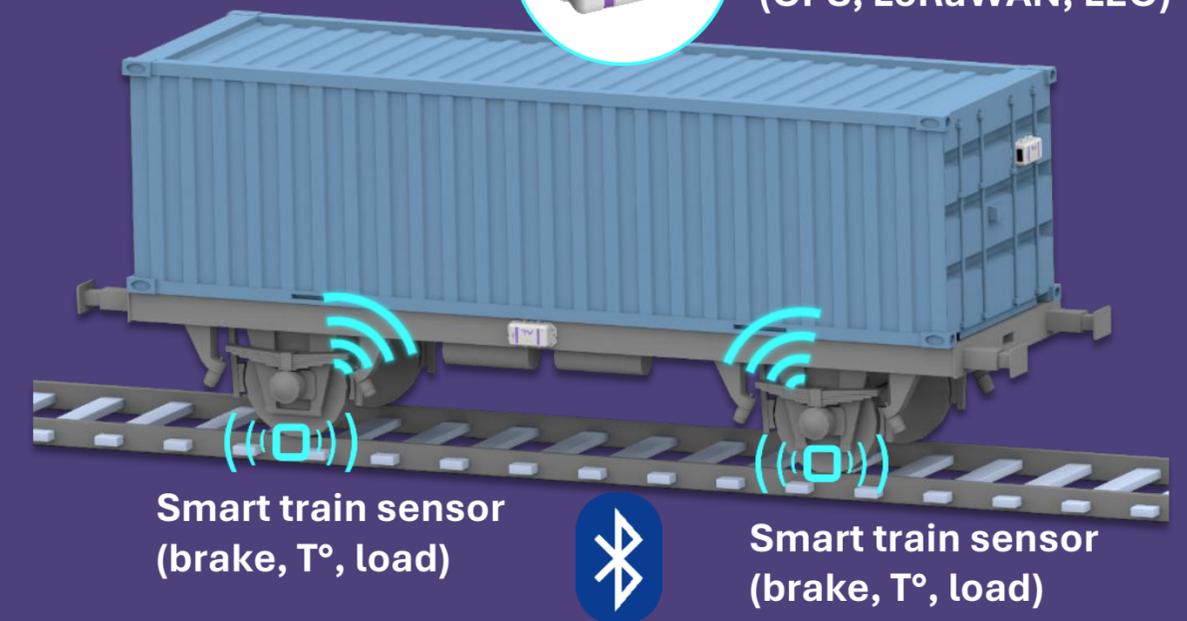- Estimated time of arrival (ETA)
- Mileage

Sea freight and road freight are currently under development.

MAIN FUNCTIONS

- GPS coordinates periodically sent in static and moving mode with 5m of precision
- Manageable tracker (configuration, FW update, logs etc)
- Data collection and distribution using embedded sensors (Temperature, Pressure, Accelerometer)
- Ability to collect and distribute data from external wireless sensors
- Provide alerts on temperature profiles and shock-type failures (vibration analysis via Artificial Intelligence)
- Data visualization via an Application Server

kinéis

Mobile Hub
Edge computing
(GPS, LoRaWAN, LEO)

Smart train sensor
(brake, T°, load)

Smart train sensor
(brake, T°, load)

TrackValue

KEY DIFFERENTIATORS
- Worldwide satellite IoT and unique Connectivity
- A turnkey and scalable solution
- A robust pool of industrial partners to support the solution
- Reduce carbon footprint by emitting only the « necessary data » to the cloud (Edge Computing)
- Non removable battery
- Power management to optimize the battery life time up to 5 years
- The combination of 100% French expertise

TECHNICAL FEATURES
- Backhaul connectivity: Kinéis LEO Satellite, LoRaWAN
- GPS location: GNSS chipset
- Embedded sensors: GNSS, temperature, pressure, accelerometer
- Full integrated antennas: GNSS, BLE, LoRa, Satellites
- Memory: data storage up to 1 month
- Power supply: only on battery / Lifetime of 5+ years
- Mounting options: magnets, zip ties, screws or rivets
- Certifications:
    - Communication: CE, FCC/IC
    - Atex: Zone 2
    - Aero: DO160
- Ready-To-Recycle design (No Resin)
- ITSS Interface 2 ready

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kerlink

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