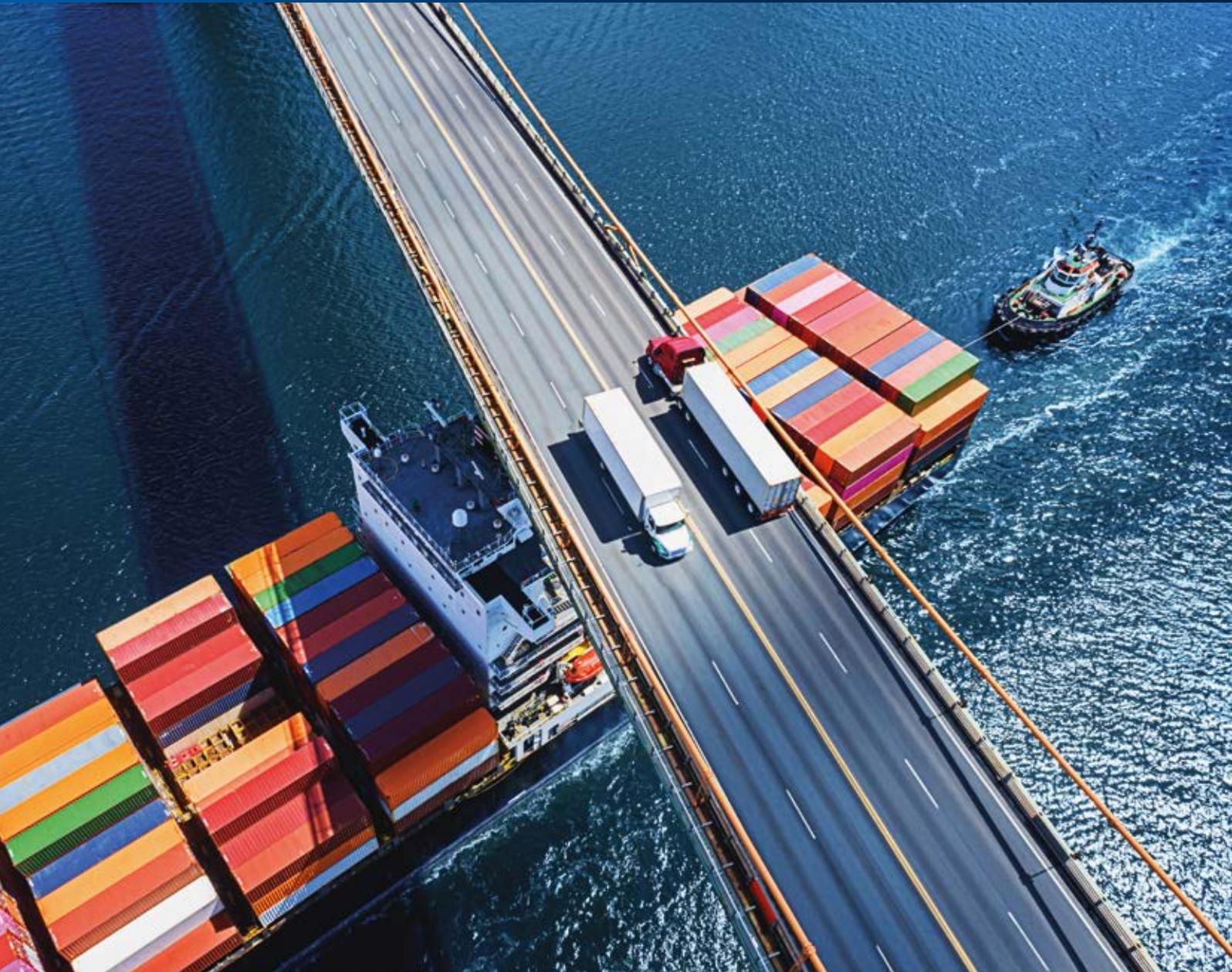


Battery-Powered Asset Tracking - Reliable and Individually Scalable

TINO[®] Tracking Unit

INTERCONNECT





Maximum Reliability and Runtime with Lowest Energy Consumption

Challenges

Driven by today's geopolitical challenges, global supply chains are under pressure: Increasingly, companies must design logistics processes that ensure transported goods always reach their destinations on time and undamaged.

TINO® - Battery-Powered Asset Tracking Solution

TINO® is a powerful GPS asset tracker with high weather-related reliability, specially designed to locate moving objects without power supply. In the absence of a satellite signal, real-time tracking is provided by cell localization. Transmission intervals can be parameterized by the user based on time and movement.

Integrated sensors support monitoring of temperature, movement and vibration. Device configurations can be changed individually via mobile communications during use. Customized IT backend systems can be connected to the TINO® via standardized interfaces.





Uncompromising, Robust and Scalable for use Worldwide

Product Features

- Weatherproof housing (degree of protection: IP67)
- Ambient temperatures from -40 °C to +75 °C
- Integrated motion/shock and temperature sensors
- Alarm when sensor threshold is exceeded
- Cell localization in the absence of a GPS signal
- Firmware update and configurability via the air interface
- Information about battery status visible online
- Individually configurable time- and motion-based transmission intervals
- CE certifications
- Efficient installation

Telematics

Integrated sensors allow the TINO® to measure and record the following status:

Temperature

- Measuring range from -40 °C to +75 °C.
- The alarm is triggered by configuring a threshold at defined temperature values

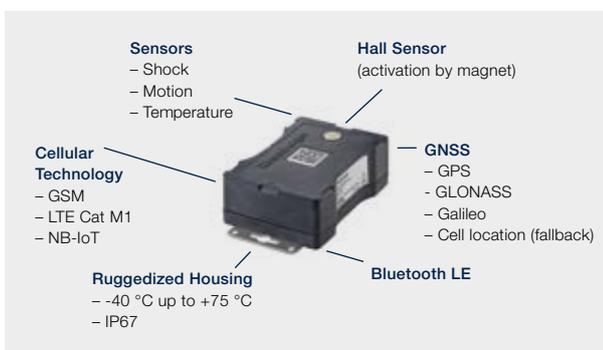
Acceleration/Shock

- Configurable intensity level and acceleration above which movement is detected and reported

Bluetooth Gateway

TINO® offers a standard interface for use as a gateway in individual use cases

- Detect and forward Bluetooth beacons in the area
- Connection of additional sensors





Compact Hardware Based on Precision Engineering

Customer-Specific Developments

The development of new ideas and their implementation into feasible solutions with added value is part of Rosenberger's customer promise. When developing telematics components, Rosenberger can call on tried-and-tested solution modules that have already proven themselves in practice.

In addition to meeting electrical and mechanical requirements, Rosenberger also selects the appropriate technologies to turn these requirements into reality. In close cooperation with the customer, Rosenberger develops tailor-made and targeted system solutions.

Read more

www.rosenberger.com/products/customized-solutions

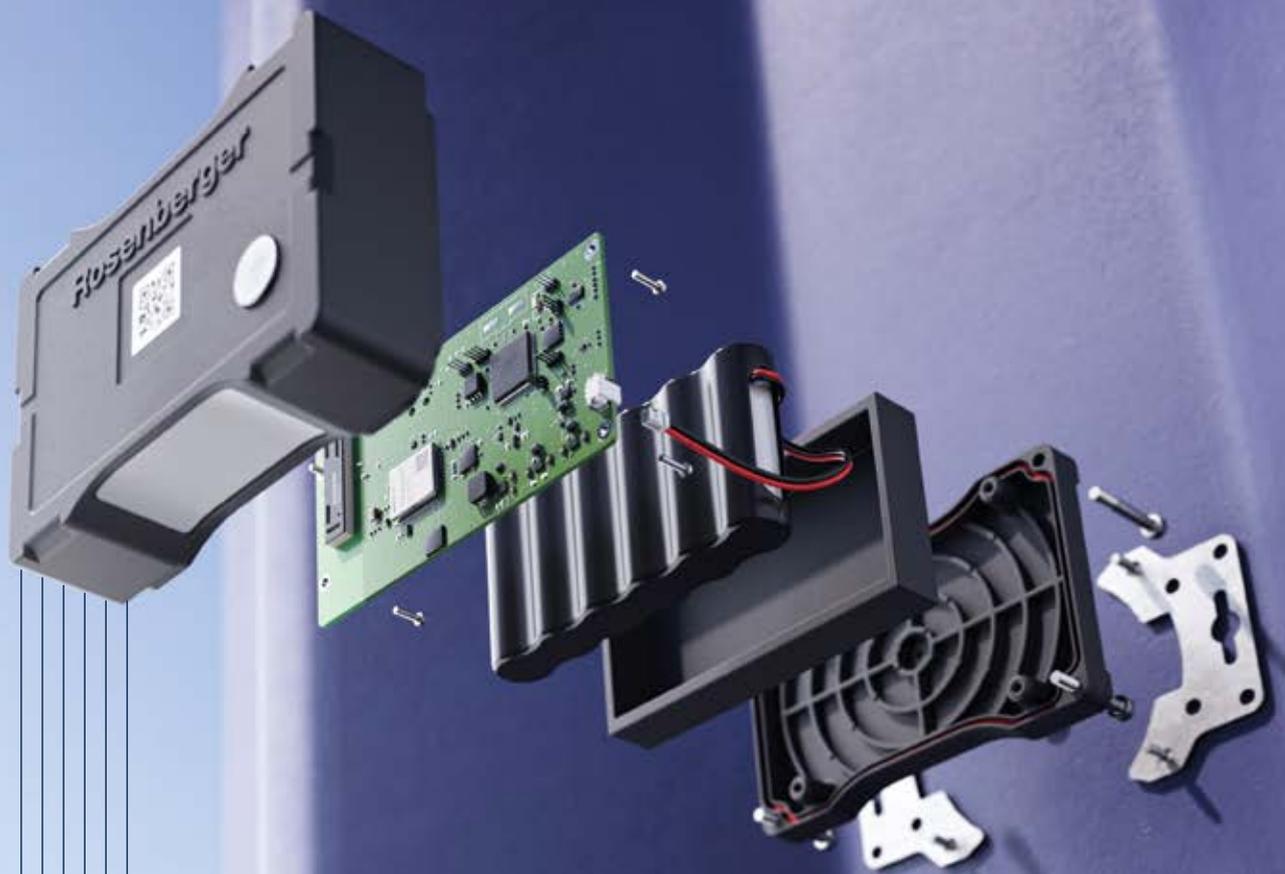
In a single tracking unit, TINO® combines the latest technologies with years of engineering and production expertise



Applications



Containers, freight cars, transport containers and trailers, silos, cable reels and construction machinery



Maximum runtime with the lowest energy consumption -
with one battery pack

Up to 10,000 messages | Up to 10 years duration | Easy battery change

Durable hardware thanks to robust housing design

Plug & Play with integrated sensors and Bluetooth LE

Latest mobile technologies and GSM fallback for global use

Maximum data security through end-to-end
encrypted transmission

Magnets ensure minimum energy consumption
prior to initial device start-up

TINO® – The Entire Asset
Tracking Solution Without
Compromise



Website

For more information refer to our website:
www.rosenberger.com/tino

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