IoT use cases
for asset tracking

Connected Finland

sigfox operator

Using connected devices cause users headaches when it comes to portability, cost, and usability. Sigfox has broken the barriers raised by traditional tracking technologies: price, battery life, and coverage.

By offering low cost and low power connectivity service over one single global network, Sigfox brings a whole new set of available uses of tracking technology:

✺ Ensure the **recovery** of lost or stolen assets

✺ Control the **quality** of delivery (including SLA, humidity, temperature, shock…)

✺ Identify the **responsibility** of assets and **localization** off premises

Benefits of assets tracking solutions

Peace of mind and security

Reduced cost of losses and theft

Optimized transport routes and cost

Improved productivity

Improved customer satisfaction

Clearer responsibility boundaries along the logistic supply chain
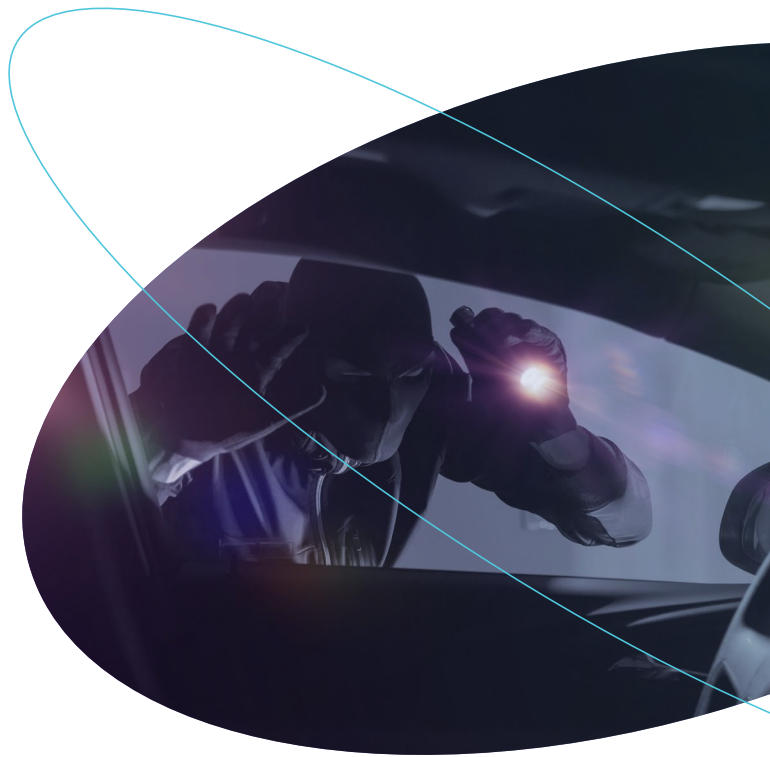
Your imagination is the limit

Low cost and low energy IoT asset tracking applications are infinite. Whether waste management companies want to track large dumpsters when moving them from a construction site to another or rental companies track yacht and boats…almost anything is possible.

Insurance: recover stolen vehicles

Car thieves who use GSM jammers have met their match with Sigfox IoT trackers. Because Sigfox uses radio signals that can't be jammed, the trackers will continue to transmit GPS coordinates without interruption, even if the vehicle is stolen.

Sigfox-enabled trackers allow insurance companies to work with security providers and police to recover stolen cars, motorcycles, lorries, utility vehicles, bicycles and just about anything with wheels. IoT tracking solutions have positive financial implications for insurance companies and offset the cost of customer premiums.

Logistics: track assets along the supply chain

Goods such as medicines and agri-food products must be transported with great care and under specific conditions to keep them viable. Tracking systems report data such as temperature, shock and tilt to provide better insights into quality control, traceability and responsibility boundaries. Tracking ensures sensitive materials are delivered safely, on time and in perfect condition.

In addition, trackers can collect location data from fleets of returnable containers, pellets, parcels and trolleys, offering valuable insights into the value chain journey.

Construction:
fight equipment robberies and assess usage trends

Real-time tracking and cloud-based data sets enable construction companies to reduce theft, increase productivity and control operating costs. Theft of machinery and valuable equipment such as electrical panels from buildings is very costly. Protecting your equipment has a deterrent effect on potential thieves, and if a robbery should occur, tracking information will be key in enabling police to recover stolen assets and gather evidence for prosecution. Tracking heavy equipment also provides valuable insight to help managers monitor oversights and assess usage trends.

Agriculture:
Virtually fence, track and manage herds

Livestock management is a complex, around-the-clock job, but no rancher can be everywhere at once -until now. Smart livestock collars let you virtually fence and track your herd via GPS, even when you are far from the ranch. Gather real-time information about location, speed, body temperature and stress levels of livestock. Reduce inefficiencies, decrease operating costs and improve the health and safety of cattle, horses, sheep and goats.

Tracking is becoming accessible to consumers

IoT-enabled tracking is exploding for outdoor sports. Athletes like runners, trekkers, skiers, climbers, hikers and paraglider pilots can track their itineraries without the hassle of carrying a smartphone. In the event of an emergency, an SOS message can also be sent through the tracker.

Millions of people mourn the loss of their cats and dogs every year. IoT-connected collars send real-time notifications when your pet leaves the house, so you can act before Fido gets too far away. Connected pet collars also monitor pet movement around the home and track daily activity and rest periods.

What a nightmare it is when you lose your luggage! Put an IoT-connected tracker in your bag and you can track the location of your luggage, golf clubs or skis on your smartphone whilst you're traveling.

Discover Sigfox Ready devices
and IoT end-to-end solutions
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