



TRACK EXTREME

SOLAR POWERED ASSET TRACKING

World-friendly IoT

www.sodaq.com/products/track-extreme/

ABOUT EXTREME

Track Anything, Anywhere.

The TRACK Extreme is developed for trailer tracking and deployed on every truck from German trailer manufacturer Krone AG. It has the highest water- and dust proof rating and strongest solar panel available in the world.

The TRACK Extreme operates autonomously, without the need to service or to change batteries.

The device and its form factor are well suited for attachment to shipping containers. In addition to the well proven Road Mode, we are developing a Shipping Mode in our embedded software to recognize whether it is in transit on the ocean. The device works globally, either on LTE-M & NB-IoT or 2G fall back.



“ World leaders in supply chain tracking solutions.”

Who We Are

SODAQ specializes in creating low-power tracking & sensing solutions and powering them with the energy we harvest from the environment. With our solutions, we aim to tackle some of the biggest challenges our world is facing.

With a decade of experience, we're among the first in the world to design low-power B2B IoT solutions, for large-scale production. Our offering includes Hardware, Software and Industrial Design solutions for supply chains.

Our drive for creating products and services that are world-friendly will play an increasingly important role in improving efficiency, reducing waste, and mitigating risks in our client's business cases, which on a global scale creates a compounding positive impact.



Active Tracking
Cell, WiFi, GPS



Over-The-Air
Updates



Motion-based
Notifications



Solar
Powered



8 Years
Life Cycle



IP69K
Enclosure



SODAQ
always
starts with
a pilot
project.



Home



Devices

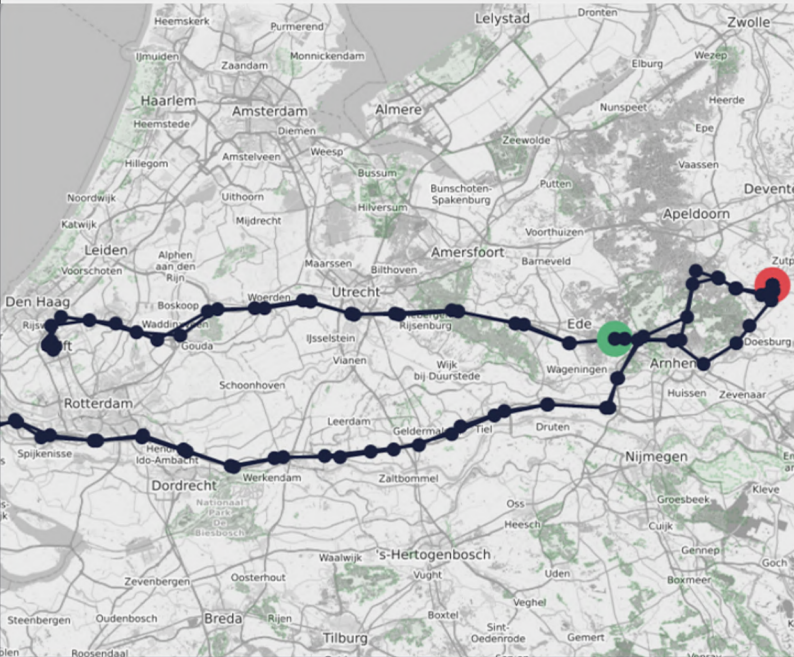


Users

How the pilot project works

We suggest setting up a pilot with for example 100 units in combination with our AWS back end and Silica front end. The purpose of the pilot is to see the actual product in action and to determine a potential follow up.

This could entail setting the details, potentially customizing software settings and possibly an API connection or direct IP set up.



ATTERY ⚡	TEMPERATURE 🌡	POSITION TYPE 📍
4.061 V	3 °C	Cell
4.061 V	-1 °C	GPS
4.05 V	-1 °C	Cell
4.05 V	2 °C	GPS

USE CASES



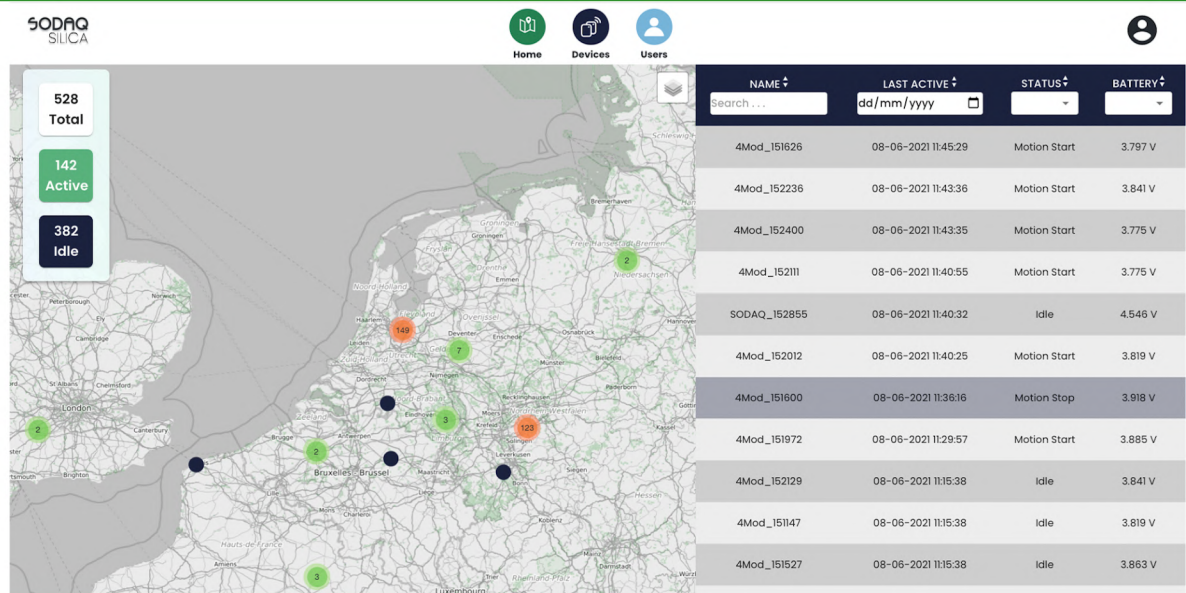
Industrial Use Cases

Outdoor rugged environment object tracking.

B2B product: own chipsim from 1,000 units.

Truck trailers, containers, heavy moving equipment, machinery, pontoons, carts, seedpaks.

The SODAQ dashboard is **platform agnostic**, meaning we can show **your assets** through SODAQ's Silica Dashboard, or your home platform.



TRACK Extreme Key Features

IP69: complete protection against dust and high pressure water.

Operational for 8+ years without maintenance.

Durable in extreme cold and heat. The Polyurethane solar panel is scratch and heavy impact proof.

BLE to connect to sensors inside & outside.



Technical Details



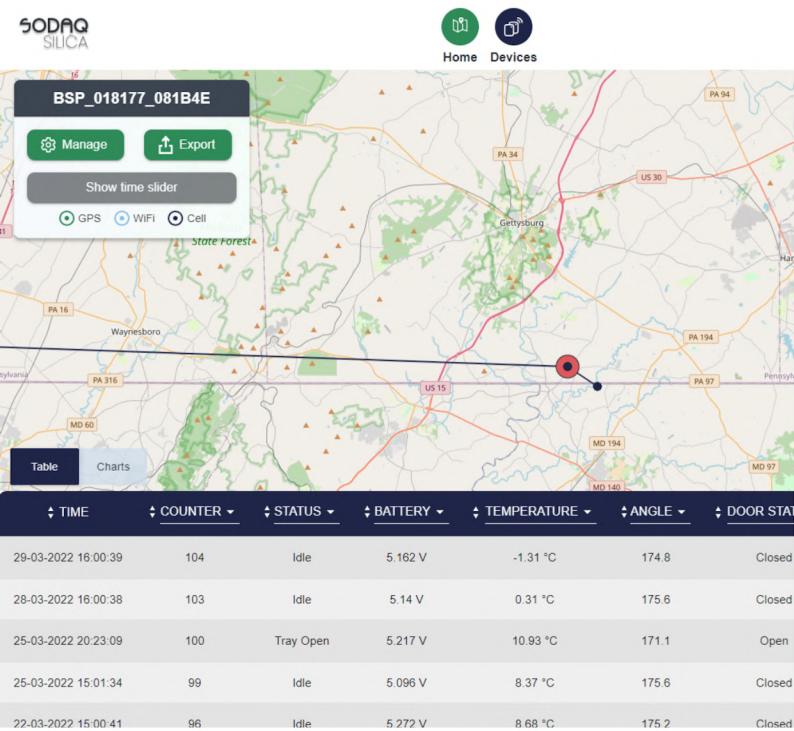
2MB flash**
memory



Over 8 years
lifespan



Feature	Description
Communication	U-blox R412 (LTE-M/NB-IoT) (Bands 3, 8 & 20) 2G fall back Bluetooth 5.0 (docking bays & sensors)
Dimensions	230 x 130 x 21.00 mm 478 grams
Power	2W Polyurethane Solar Panel Carbon-based power capacitor of 4500mAh
Positioning	GPS (5-100m accuracy) GLONASS GALILEO Cellular (100m-1km accuracy)
Operating Conditions	Regular Operations: - 20 to + 60 °C
Certifications	IP69K (dust, water & impact resistant) FCC & PTCRB (pending) CE RED



Sensors



3-Axis
Accelerometer
(motion)



Temperature
Sensor



Mounting
screw bracket

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 Location

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