



Battery-Powered Asset Tracking

Benefit from better operational efficiency & enjoy cost savings through seamless asset management with real-time status alerts and accurate, timely data. Whether it's indoors or outdoors, you name it, we can track it!

Using the latest scalable technology, combined with market-leading hardware, our battery powered tracking devices enable customers to monitor all their assets and - most importantly - get insightful data to improve operational efficiencies, service, security and profits.

No matter what kind of asset you need to monitor, we can track it!



Flexible, Cost Effective Tracking

We take the time to fully understand your organisation; how it works and your business goals. When we know what your challenges are, we can determine what data you need to obtain and provide a connected solution to tackle these head on.

There is a variety of different good value for money trackers available, with the rise in the use of battery-powered trackers to ensure that businesses can track a variety of motorised and non motorised assets easily and efficiently.

Whether you need your assets monitored 24/7/365, or just when they move or something changes, we can create custom alerts and reports to ensure you get the information that you need.



0330 094 5344
sales@foresolutions.co.uk

Industry Leading Battery Life & Reliability

We are established providers of integration-ready and ultra rugged battery powered GPS trackers, with industry leading battery life. Whether the assets you need to track are powered or non-powered, used indoors or outdoors, we can track them.

Our range of battery powered trackers use cloud based location solving, meaning that all of the location processing workload is processed in the cloud, instead of handling location calculations on the device itself. This substantially decreases power consumption and ensures that businesses can track their assets for up to 10+ years.

With an industry-leading battery life on user-replaceable, easily sourced AAA batteries, choose a device that you can “deploy once” and that requires minimal interaction once installed.

Benefits of Battery Powered Trackers

- Easy to deploy
- Robust & Rugged Design suitable for construction sites
- Long Lasting Battery life of 10 years +
- Waterproof
- Small & Concealable
- Energy Efficient



We Can Help You Track:

Plant machinery

Skips

Cranes

Building Equipment

Tools

Trailers

Containers

Agricultural Machinery

Portable toilets

Livestock

Stage Equipment

Vehicles

Refrigerated Vehicles

Pharmaceuticals

Hire Bikes

Lone Workers

And so much more!

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How It Works

Our powerful & intuitive trackers can be installed quickly and easily and are scalable to any business size. Gain full visibility of assets and use statistics efficiently.

Track

Easy Installation - Quick and efficient installation, scalable as your business grows

Low energy consumption - Trackers are optimised to sun seamlessly for up to 10 years.

Connect

Cloud Connection - Excellent coverage for indoor & outdoor tracking.

No Infrastructure needed - Battery powered trackers work anywhere with no set up required for connectivity.

Analyse

Easy Management - Track your assets on one platform + set up features such as adaptive tracking to monitor assets during selected hours or save energy with sleep mode.

Mobile Friendly - Access the solution wherever you go with an easy to use mobile friendly platform.



Industries

- Construction
- Industrial Manufacturing
- Leisure
- Hospitality
- Agriculture
- Waste Management
- Retail
- Transport
- Aviation

Guppy BT Tag

Affordable indoor & outdoor asset monitoring

Features:

- Ultra rugged Weatherproof IP67 Housing
- 5+ years battery life with 2 x AAA batteries
- Configurable Transmit Mode (Standard up to 195m or Long-Range up to 330m)
- Does not require a SIM card or data plan
- Compact and concealable
- One year manufacturers warranty



Bluetooth Eye Beacon

Bluetooth Low Energy ID beacon & sensor

Features:

- Accelerometer, Temperature, Humidity, and Magnetometer for numerous scenarios
- 7+ years battery life
- Robust and waterproof EYE Beacon (IP68)
- Compact size and mounting points to make it suitable for various use cases
- Android and iOS compatible apps for fast and easy configuration on the go



4EvaTrack 1.0 mini

Ultra-low power autonomous BLE sensoring

Features:

- Powered by indoor photovoltaic energy harvesting
- High IP rating for industrial use
- Compatible with a wide range of real time location systems
- Customisable with a wide range of sensors for maintenance free asset tracking
- Used for asset tracking, room monitoring, animal tracking, infrastructure monitoring and trains and transportation
- Sensor options: temperature, light, humidity, pressure, sound, accelerometer and magnetometer



Yabby Edge

LTE-M / NB-IoT. Seamless Indoor/Outdoor GPS

Features:

- Ultra rugged and weatherproof, IP68, IK06 housing.
- 10+ years battery life with AAA batteries
- Adaptive Tracking - tracks assets throughout the day or when moving, entering sleep mode when inactive to conserve battery life.
- Set up geofences and alerts if asset leave selected location
- Compact and Concealable with wire free installation
- Intelligent power management
- Supports automatic roaming between LTE-M and NB-IoT networks



Remora 2

GPS Tracking Device With Bluetooth

Features:

- Up to 5 years once-hourly updates
- No install required, simply “place ‘n trace”
- IP67 water and dust proof
- Bluetooth Low Energy (BLE) v5
- Switch from “locate” to “track” over-the-air
- Magnetic tamper detection
- Battery Meter (Coulomb Counter)
- Unauthorised movement alerts
- Integrated Accelerometer
- High-G Event Detection
- Uses Bluetooth to work along side Guppy



Oyster Edge

Indoor/Outdoor battery-powered GPS

Features:

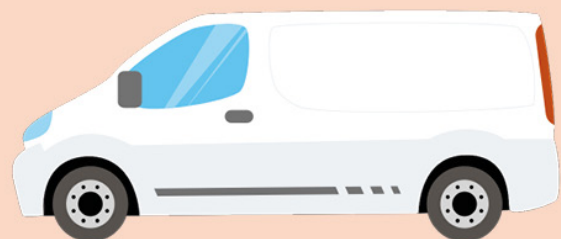
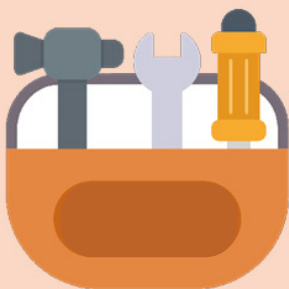
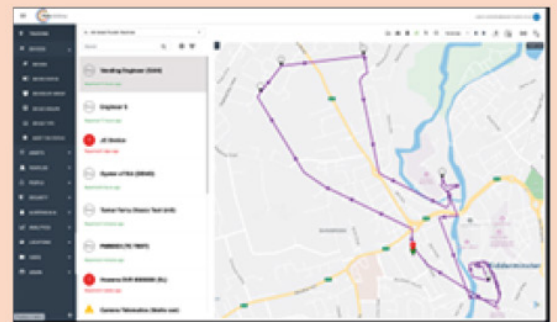
- 10+ years on only 3 x AA user-replaceable batteries
- Cloud-based location solving
- Weatherproof and ultra-rugged IP68, IK07 housing
- LTE-M / NB-IoT Connectivity
- Bluetooth® 5.2 Gateway for tagged asset management and sensor monitoring
- GNSS (GPS/BeiDou), Wi-Fi AP MAC Address Scanning
- Cell Tower location for indoor/outdoor asset management
- Compact and concealable with wire-free Installation
- Impact-detection alerts and sleep mode for stationary devices



Battery Powered Trackers & Foreconnect

Warehouse/depot fitted with a GPS tracker that also acts as a Bluetooth gateway. The tracker transmits location information of any attached Bluetooth tags to the Foretrack platform, so you know that your assets are back at base.

Foretrack platform displays the location of the tagged assets, along with movement history. Alerts are sent if a Bluetooth tag is disconnected from the gateway and displays last known location.



Bluetooth tags securely attached to the assets transmit to a Bluetooth Gateway/ GPS tracker, located in a vehicle or a building, up to a range of 80m.

Battery powered GPS tags are also available. These do not need to connect to a gateway and will transmit their location directly to Foretrack.

Vehicle fitted with a GPS tracker that also acts as a Bluetooth gateway. The tracker transmits location information of both the vehicle and any attached Bluetooth tags to the Foretrack platform.

Case Study

Battery-Powered Trackers

Watatunga Wildlife Park

The Client

Foresolutions Ltd has been working with Watatunga Wildlife Reserve to help them monitor their animal's movements and keep track of their fleet of safari buggies.

Watatunga Wildlife Reserve is an award-winning wildlife reserve offering a unique opportunity to experience a safari in Norfolk. The Reserve has been open since August 2020 for the full visitor experience, and has been running breeding programmes for endangered animals for 9 years.

Dedicated to the conservation of endangered deer, antelope and birds, Watatunga Wildlife Reserve allows visitors to learn about the animals and stunning scenery from their own electric buggy, which they drive on guided tours.

REQUIREMENTS:

- Battery powered trackers for the animals
- Fully waterproof
- Electric buggy trackers (suitable for trailers without a power supply)
- One management platform for all trackers
- Flexibility to swap out trackers frequently and change alert settings
- Varied GPS location reports



© Phil Stone

The Solution

Foresolutions has been able to provide a range of battery-powered trackers with full customisable reporting and alert settings to meet all of the park's requirements. These were then set up on our Foretrack Connect cloud based management platform where they can log on and customise the settings to suit changing needs and reflect the focus of their studies and research.

The Trackers were used to discover:

- Where the animals were spending their time. An initial GPS report was configured to send location data every 5 minutes, then extended timeframe of 30 movements.
- A geofence was set up around the shed to send an alert when an animal had entered the area to aid capture.
- The data enabled researchers to identify and monitor different behaviours between species.

Safari Buggies

Self-install GPS trackers were provided for all of the park's electric safari buggies.

- Easy install on site with no need for engineers.
- Geofences set so that alerts can be triggered if they end up outside expected areas, therefore indicating either a safety concern or security risk.
- Live location tracking to help Edward manage Reserve tours and make sure buggies are available at the right

"I've been really impressed with the outcome of the tracking implementation from Foresolutions. I was beginning to think I may not find something that met all my requirements, so the combination of the customisable management platform, replaceable battery trackers and ease of install was a welcome relief. The support from Simon and the Foresolutions team have enabled me to get so much more insight into the behaviours of the park animals and also help operate the tours much more efficiently with the buggy trackers. I look forward to continuing the studies indefinitely."

Edward Pope, Founder & Owner of Watatunga Wildlife Park

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