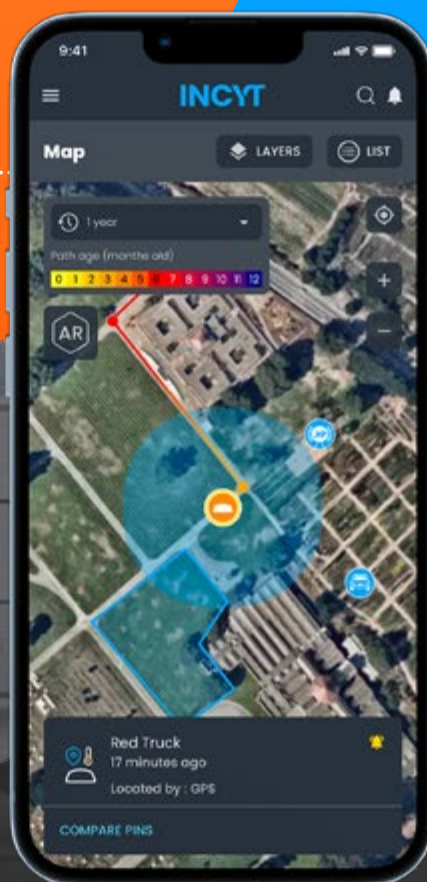
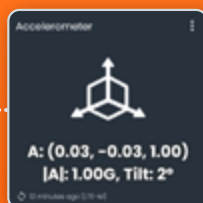
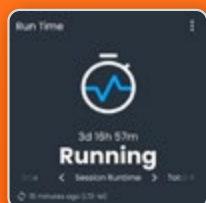


INCYT
Track

Product Catalogue





Track What Matters Most To You

Rugged, Robust and Reliable, Military-grade IoT trackers that give you geolocation and condition monitoring, wherever you are.





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Introducing INCYT Track

The Origins of INCYT

INCYT (pronounced insight) is an innovative IoT company, offering a connected ecosystem of products specifically designed for multiple industries and applications.

INCYT was born out of our team's experience and expertise in developing custom IoT products as part of our design services business, LX. From weathering extreme temperatures in the arctic, to battery powered devices that last up to 10 years in the far north Australian heat, INCYT's full range of award-winning, built to last trackers, controllers and smart devices are designed to keep you connected to the assets that matter most to you.



Why LX

The INCYT device ecosystem has been purpose-built by our award winning design house, LX, developed using the IoT Cores Hardware Accelerator Program.

The uniquely configurable and versatile IoT Cores platform accelerates IoT activity with ease, enabling businesses to accelerate, de-risk and focus on innovation, not implementation. Utilising the LX IoT cores enables INCYT to be highly adaptive by design, meaning more time can be spent providing real solutions to businesses that need them.

INCYT

Track

At INCYT Track, we're providing an ecosystem of best-in-class devices, streaming insights to a platform with applications to suit a wide range of use cases. Our devices are purpose-built to seamlessly unite, creating comprehensive solutions, utilising multiple connectivity options.

Built to withstand the harshest conditions, our device ecosystem is of military standard. Beyond just conventional tracking, they offer advanced sensing capabilities. This means you're not only informed about an asset's location but also presented with actionable data, effortlessly accessible through the INCYT App. Whether you're one site, or many, one user, or an organisation, you'll be empowered to oversee your entire operation, at a glance, wherever you are.

**The core of the INCYT Track ecosystem is simple. We are:
Rugged. Robust. Reliable.**

The adaptability of our devices is unparalleled. Whether your assets are situated indoors or out in the open, we've got you covered. Our tracker and gateway options come in a variety of power sources, from long-life battery-powered models to those powered by mains, solar, or automotive cables.

To deliver best-in-class, we harness the power of the latest technologies, including LTE-M, NB-IoT, LoRaWAN, WiFi, Satellite, and Bluetooth Low Energy, enabling our ecosystem of devices to be optimised for efficient power usage.

Backed by our award-winning design house, LX, we are always focussing on what is next, now. With the goal of pushing forward in the frontiers of technological innovation. As the INCYT Track ecosystem grows, so does the potential for operational efficiency and our ability to increasingly deliver purpose-built solutions to businesses trying to get ahead.



The INCYT Track Process

We work with businesses to understand not just what they want to monitor, but what their challenges or opportunities are.

We then architect a plan that meets individual needs to make sure your business gets the best out of our technology.

This 4-Step INCYT Track Process, is our way of ensuring that we tick all boxes when it comes to providing the best service and visibility to our customers.





1. Discovery

We engage in a discovery session with your business to understand your pain points, and how our technology would best improve your business.



2. Consultation

We lay out an action plan for implementing our technology across your operation, addressing the previously identified pain points.



3. Onboarding + Installation

We will implement the action plan across your business, assisting in the onboarding of your organisation to the INCYT platform.



4. Ongoing Support

A business is defined by its support. We are here to help your business navigate the platform, product ecosystem, and offer input on how to further increase operational efficiency.



Asset Tracking with INCYT Track

Track what matters most to you with cost effective, easy to deploy long life IoT Trackers and Sensors

INCYT enables its users to determine which hardware offering works best for their organisation. View the 2 options below.

Choose your hardware model

**INCYT
OWN**

IoT Trackers and Sensors purchased outright

**INCYT
STREAM**

Low upfront hardware cost.
We manage the hardware, you own the data.



From unpowered assets to high-value vehicles, remotely track and monitor the items that matter most to you with the range from INCYT Track. Compact, robust IoT trackers and sensors that give you reliable geolocation and condition monitoring wherever you are.

We use the latest in ultra low IoT Technologies to create products that are cost-effective, scalable, built to last, and offer the most efficient reporting frequency for your needs, whether that's daily, hourly, or every 5 minutes.

Flexible monthly reporting plans

Flexible, all inclusive monthly reporting plans



1 App, 1 Dashboard, Unlimited Insights

The INCYT App serves as the central hub for data visualisation and reporting within the INCYT ecosystem. It enables users to analyse data from trackers and sensors, providing a comprehensive view of essential metrics in one convenient interface.



Versatility and Customisation

The INCYT App offers a high degree of customisation, making it adaptable for diverse industries and applications. Whether it's Smart Agriculture, Asset Tracking, or any other field, the App can cater to a wide range of needs.

Seamless Accessibility

Free to download, the INCYT App can be accessed from various devices, including smartphones, tablets, and computers. This accessibility ensures that users can stay connected and informed in the boardroom or on the go.

Core Features and Functionality

The INCYT App empowers users with a set of powerful features.

Cockpit View

A user-friendly dashboard presents a consolidated view of key metrics, such as asset locations, local weather conditions, and runtime monitoring data.

Asset Dashboards

Create independent dashboards for any tracked asset and keep tabs on the likes of asset specific metrics such as runtime, condition monitoring, path of travel, and many more!

Multi Site View

Create your own maps and geofences around multiple sites, keeping you informed on your assets location and condition, regardless of where you are.

Customisable alerts

Customisable alerts triggered by the parameters you set. Get alerted when an asset enters/exits, or conditions change. You're in control with INCYT.



Creating a profile for your business

- **Step 1** **Download the INCYT App** and create your free account
- **Step 2** **Start mapping out** your organisation
- **Step 3** **Register your devices** by using the simple Scan n' Play process
- **Step 4** **Select the applications** your sensors will be reporting on
- **Step 5** **Select the most appropriate reporting plan** for your devices

Connecting your Devices to the INCYT App

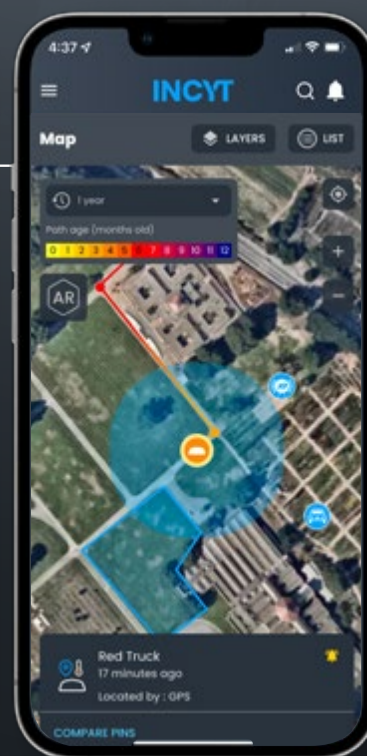
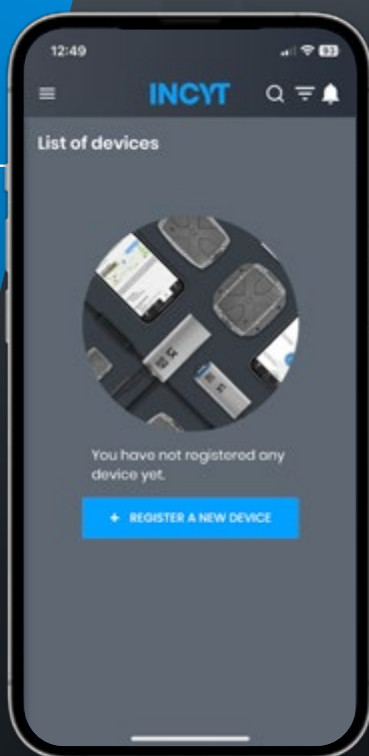
Register your device/s with INCYT and configure in minutes using the simple Scan 'n Play setup.

INCYT devices come with a unique QR code, ready to be connected to a users account. Simply use your smart device to scan the QR code (or input attached code), select your configuration by choosing your relevant Application and the plan most suited for your reporting needs, and then connect your organisation. Once complete, you'll be able to see connected devices and their respective reporting data on your personalised INCYT dashboard.



Scan n' Play

- 1 **Open the INCYT APP**
- 2 **Scan your device's QR code to register**
- 3 **Select the Application you require and choose your plan**
- 4 **Install the device where required**



All Your Assets at a Glance

Cockpit View

Customise your
Cockpit view

Easy-to-view data

View historical
data at a glance



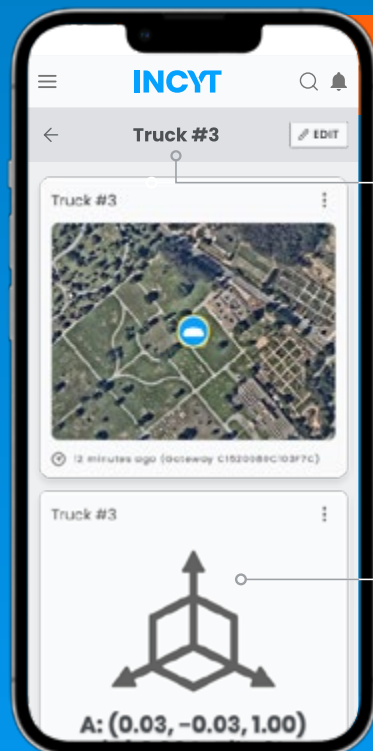
Map View

View historical
location data

Customisable icons

Geofence your
operation

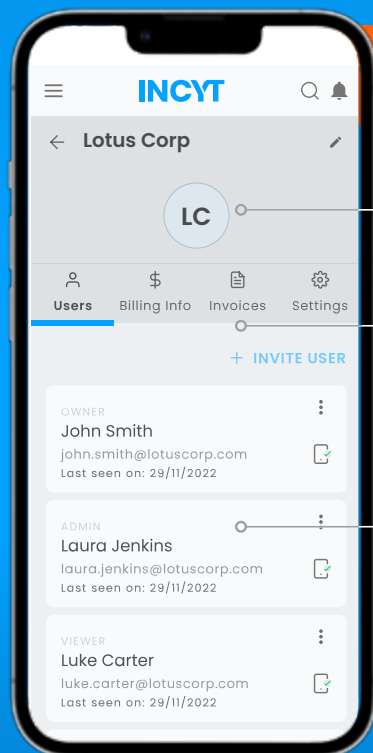
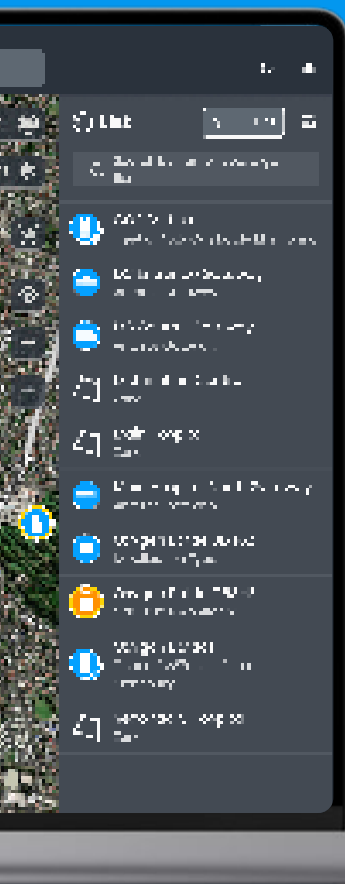




Dashboard View

Create individual dashboards for single or multiple assets

Interchangeable reporting metrics



Organisation View

Create your organisation

Invoicing records readily available

Multiple users within one organisation

Light and Dark modes available

Tailored Reporting Plans at INCYT

Wherever you are, see what's happening across your operation at a glance – on your phone, tablet, or computer with the INCYT App.

- + Intuitive, easy to use reporting dashboards and widgets
- + Adjust the frequency of updates to match your reporting goals
- + Alerts through email and/or SMS to your device for applications with predefined parameters
- + See historical data at a glance and obtain insights over time.



Flexible reporting plans are available for your business, regardless of size or industry.

Only pay for reporting on what you need, and if you need to make changes to your reporting plans, do so freely through the INCYT App.

Below is a breakdown of the various INCYT Reporting Plans.

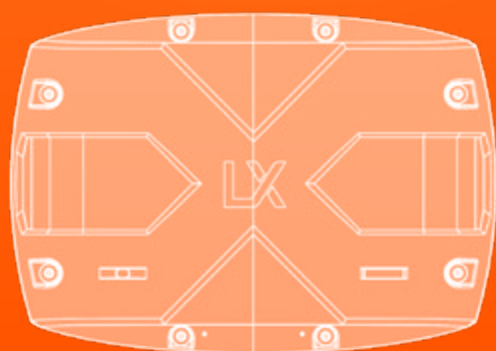
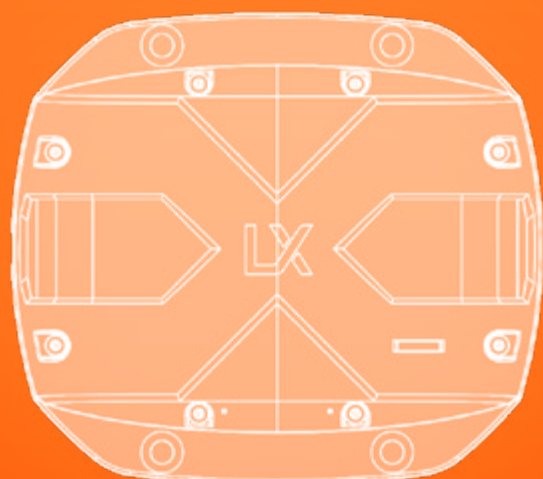
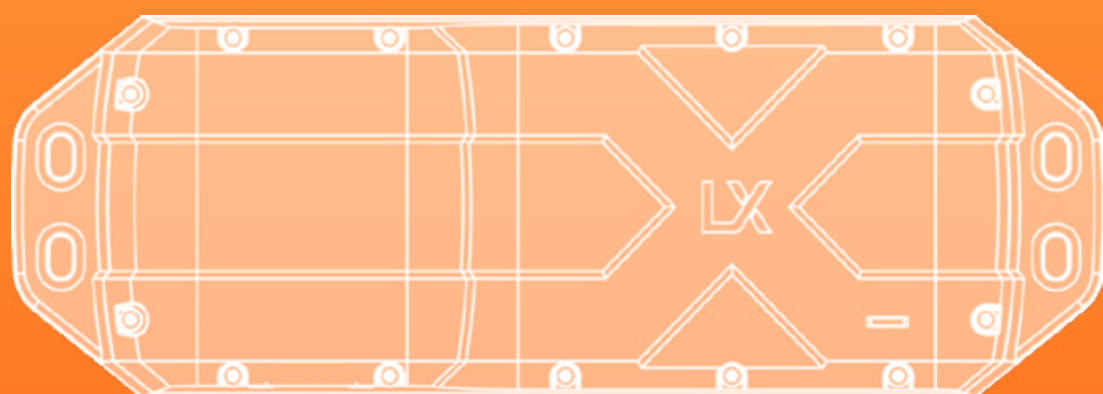
Hibernate Mode	Suspend the application to minimise expenses but retain data and configuration. Especially useful for “seasonal” needs.
Lite	Longest battery life and low costs for your basic monitoring needs. Perfect to replace manual daily checks.
Standard	The INCYT Team recommendation for the best balance between performance, update frequency and battery life.
Pro	Get frequent updates while still benefitting from a reasonable battery life and contained costs.
Unleashed	Get updates as frequently as possible with unlimited data retention.

*Plans are Application specific – meaning plans change based upon the Application required. Details on pricing and reporting specifics are available on the INCYT App.

Products



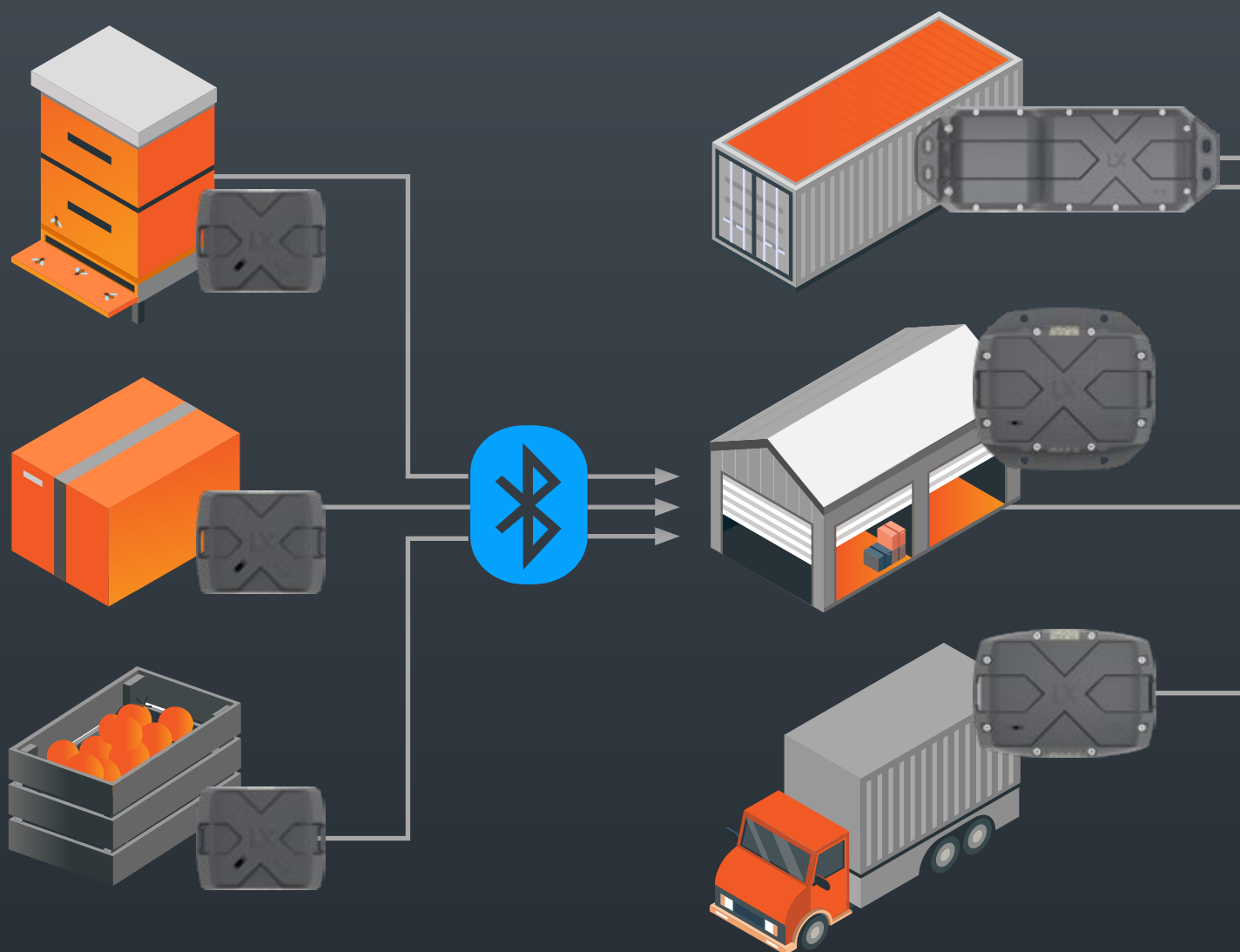
Let us introduce the devices that will make you say, "I wish we found these guys earlier".



Product Ecosystem Overview

From unpowered assets, to high-value vehicles, remotely track and monitor the items that matter most to you, with the range from INCYT Track.

Our product ecosystem consists of devices that are best-in-class and work for businesses of all size and industry. The graphic below demonstrates a rough showcase of just how diverse use-cases can be when utilising INCYT devices.



The distinctive characteristics inherent to each device, when harnessed individually, or as an integrated ecosystem, have the potential to culminate into a remarkable feat of data acquisition by the end user. This data, when wielded ably, can act as the key to enhancing operational efficiency and overall effectiveness of an entire operation. Throughout the next few pages we introduce to you the product family, providing a bit of a breakdown on the role they each play within the INCYT Track ecosystem.



How the Ecosystem Works

The track and sense capability is at the core of many IoT applications and when it comes to location based applications, the needs are many and varied. Finding, logging, geofencing, alerting and sensing across various networks both in outdoor and indoor operating environments. A single tracker simply can't do it all.

INCYT Track have created a line of rugged and reliable, military-grade devices, that can be used individually or as a network to solve multiple cross-industry problems.

A connected ecosystem. Reporting tailored to your needs.

At INCYT Track, our devices have been designed to work in conjunction with each other across a wide range of use cases to provide sophisticated solutions. They are equipped with the option of advanced sense capability so you can not only track an asset's path or last known location, but also get insight into valuable metrics such as motion, tilt, run-time, air pressure, temperature and humidity.

A best-in-breed approach

We use the latest in ultra low IoT technologies and have created a line of products that are cost-effective, built to last, and offer the most efficient reporting frequency for your needs, whether that's daily, hourly, or every 5 minutes. Reported data is then sent and displayed on our very own INCYT App.

Valuing speed and ease of deployment

All INCYT Track devices use easy Peel 'n Stick applications or mounting options, so any device can be set up within minutes and deployed quickly without the need for expert installation.

The quick activation process, known as Scan n' Play, means you're up and running as quickly as possible, with key data sent directly to your phone, tablet, or computer by just scanning the devices respective QR code to activate and register it.

One place to tie your data all together

The INCYT App allows you to analyse data from your devices, giving you a custom view of all your important metrics at a glance. With the ability to have multiple user accounts within one organisation, the App is suitable for operations of all sizes. Setup customisable alerts based upon parameters you've determined.

A specialised solution awaits you and your business

Prepare to experience a specialised solution that caters precisely to the unique needs of your business. INCYT Track's technology and expertise are at your disposal to unlock new levels of efficiency, productivity, and insight. Embrace the potential of asset tracking and data-driven decision-making, as a specialised solution awaits you and your business.



Enhance asset
visibility and Security



Determine Predictive
Maintenance



Optimise Resource
Allocation



Theft Management



Asset Condition
Monitoring

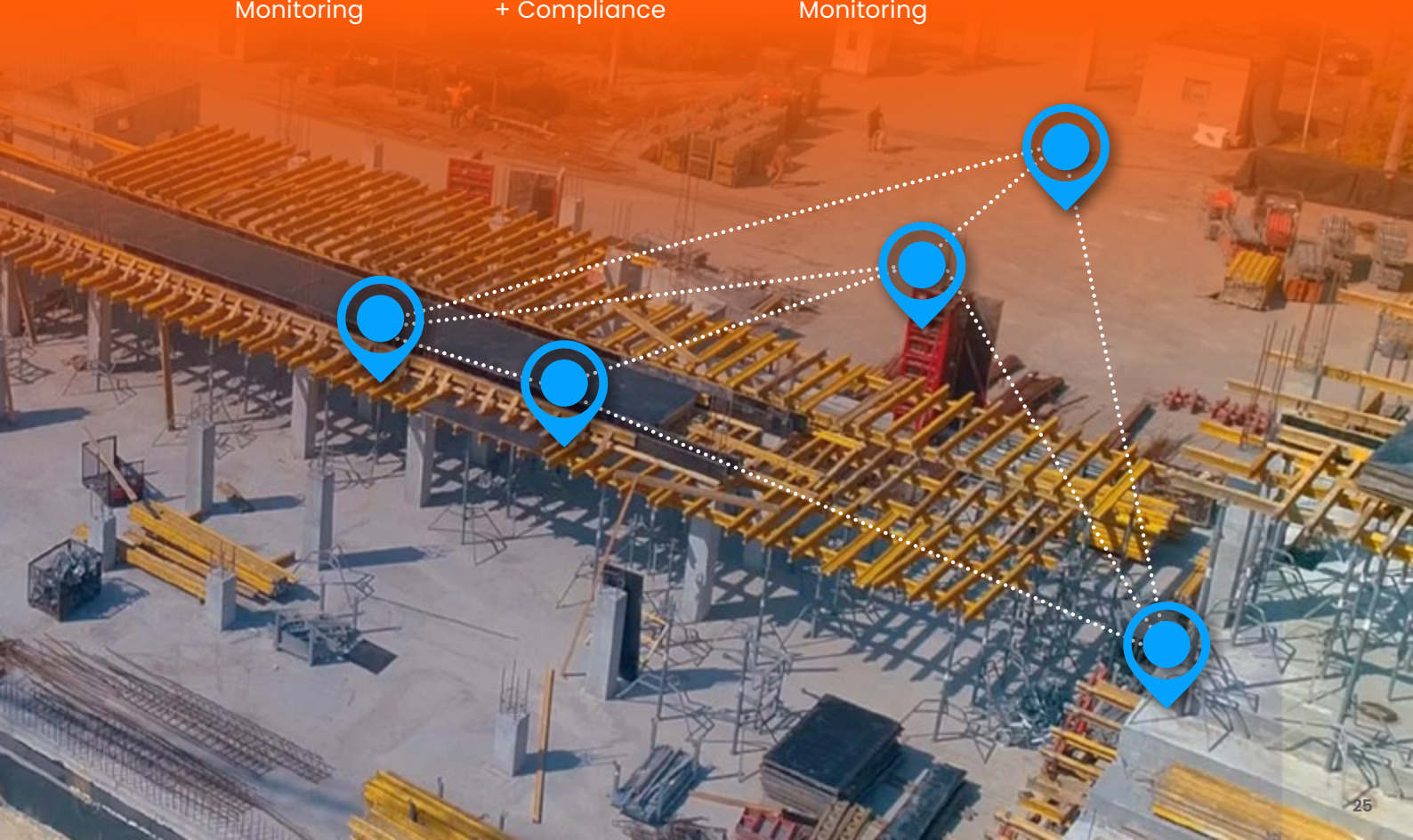


Enhanced Safety
+ Compliance



Environmental
Monitoring

and many more!



Ecosystem at a Glance

	LYRA	POLARIS
		
Description	A simple, robust BLE Beacon. Use with a listening device (Antares, Polaris, Andromeda) for asset tracking and ambient condition monitoring.	Track, sense and monitor with this rugged, battery powered LTE-M tracker. Affix to powered and unpowered assets.
Typical Applications	Great to keep an eye on multiple assets in a vicinity, or when in motion across a supply chain.	Great for tracking assets such as shipping containers, pallets and trailers as well as fixed install for facilities monitoring.
Networks		LTE-M  WiFi 
Sensing	Temperature, Relative Humidity, Orientation	Temperature, Relative Humidity, Atmospheric Pressure, Orientation, Motion, Runtime, Light Detection*
Power	Sealed internal battery, ~ 7 years	Replaceable internal battery ² ~ 7 years
Dimensions and Weight	21 x 38 x 45 mm 36g	39 x 80 x 114 mm 300g
Enclosure Rating ⁴	IP68 (IP67 for sense version) IK08 (IK07 for sense version)	IP68 (IP67 for sense version) IK08 (IK07 for sense version)
Certifications ⁵	CE, FCC, RCM, BTSig	CE, FCC, RCM, BTSig

¹ Satellite link limited to device location updates and limited BLE gateway capabilities (up to 4x surrounding INCYT over-the-air Firmware updates and indoor geolocation are only available over the LTE-M link)

² Battery replaced by an INCYT approved trained technician

³ Sold separately

⁴ Sensor port must be kept free from liquids and dust

⁵ Some certifications are still in progress, but all emissions and safety tests have been performed and passed

Note: WiFi and GPS technologies used as geolocations systems only

ANTARES



Deploy a machinery area network for Lyra devices and get high frequency tracking and condition monitoring with this externally powered device.

Ideal for creating geofences to record entry and exit of goods, for fleet vehicle tracking, in fixed installs for condition monitoring, and in combination with Lyra for monitoring goods in transit.



Temperature, Relative Humidity, Atmospheric Pressure, Orientation, Motion, Runtime, Light Detection*

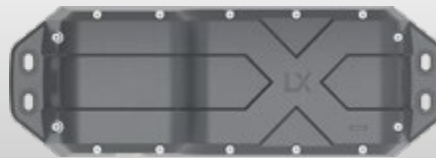
Externally power via IP68 connector - mains, automotive or solar kit power options³

50 x 110 x 114 mm | 220g

IP68 (IP67 for sense version)
IK08 (IK07 for sense version)

CE, FCC, RCM, BTSig

ANDROMEDA



The best of Polaris with an added direct satellite connectivity fallback to keep your system online even in the most remote locations.¹

Perfect for remote tracking in areas like mine sites, remote haulage routes, and land-to-sea tracking. Add to powered and unpowered assets for supply chain overview.



Orientation, Motion, Runtime

Replaceable internal battery²
~ 3 years

54 x 80 x 230 mm | 500g

IP68
IK08

CE, FCC, RCM, BTSig

BLE devices). Other features such as device activation, remote reconfiguration,

Andromeda

**GPS tracking with satellite fallback
for reliability, built in.**

Reliable tracking of an asset/vehicle, even where LTE (cellular) coverage is unavailable. Andromeda uses hybrid connectivity including a Myriota satellite capability, with remote sense applications, ensuring you have visibility of your assets anywhere in the world.

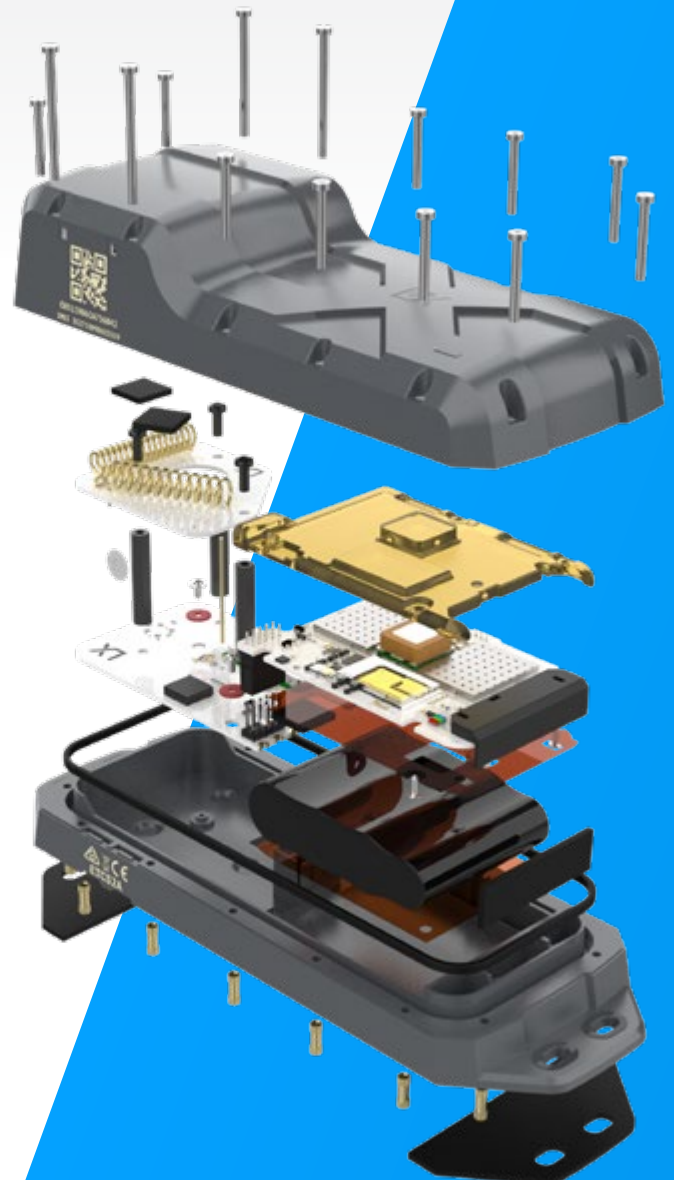
Battery powered so you can fix it to powered and unpowered assets, Andromeda is a power and cost efficient way to get eyes on the assets that matter to you.

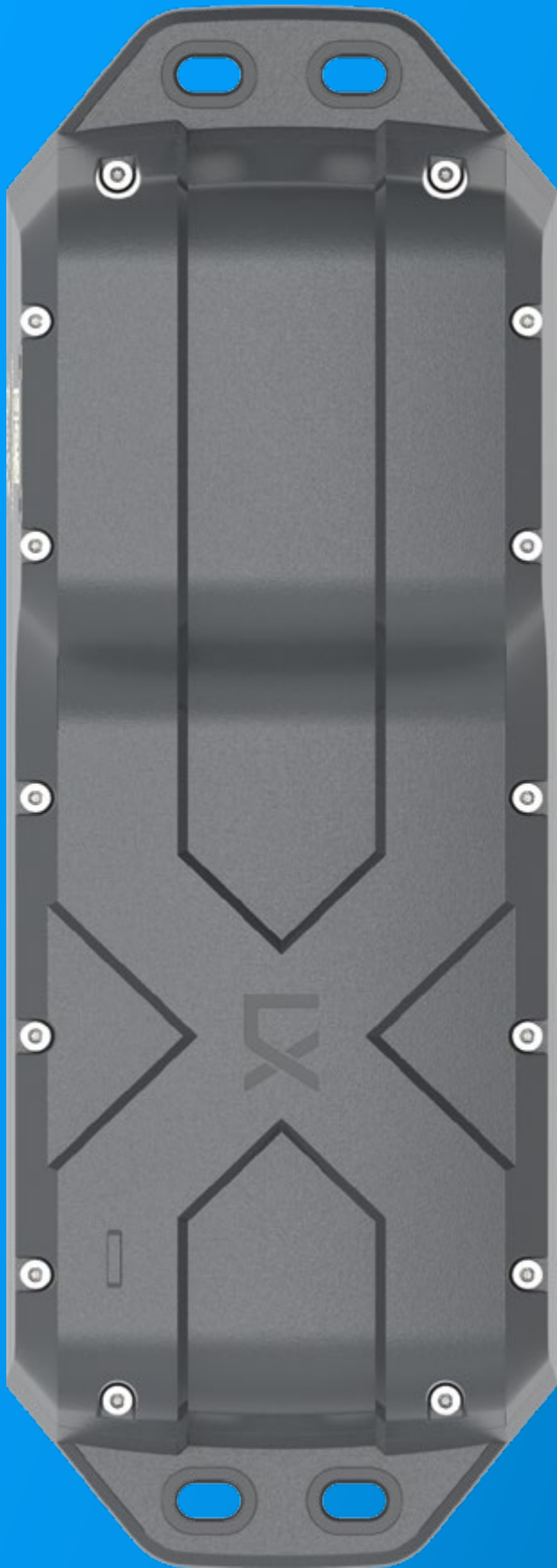
Easy installation and activation – get up and running in minutes, with different profiles dependent on your needs.

WINNER 2022



**GOOD
DESIGN
AWARD®
WINNER**





Actual Size

Andromeda at a Glance

- 4-way connected asset tracker
- Military grade
- Robust
- Long battery life up to 3 years
- IP68
- Lightweight
- Affordable satellite enabled tracking
- BLE listening
- Multiple profiles to suit your requirements that can be updated over the air
- Integrated global chip SIM
- Myriota Nanosatellite
- Gateway functionality
- INCYT geofence access

Key Use Cases

- Refrigerated shipping containers (Andromeda and Lyra)
- Large vehicles/trailers
- Boats
- High value assets
- Farming equipment in remote regions
- Gateway listening device for other INCYT Asset Trackers



Why Choose Andromeda?

Andromeda, an acclaimed 4-way connected asset tracker, stands as a beacon of excellence, harnessing top-tier connectivity options like LTE, WIFI, BLE, and Myriota Nanosatellite backhaul.

With an extended battery life and a plethora of tracking and listening profiles, Andromeda offers unmatched versatility.

Effortlessly listening for any of our cutting-edge INCYT devices, Andromeda seamlessly pushes tracking and sensor data through the world's most reliable networks from any location on the globe.

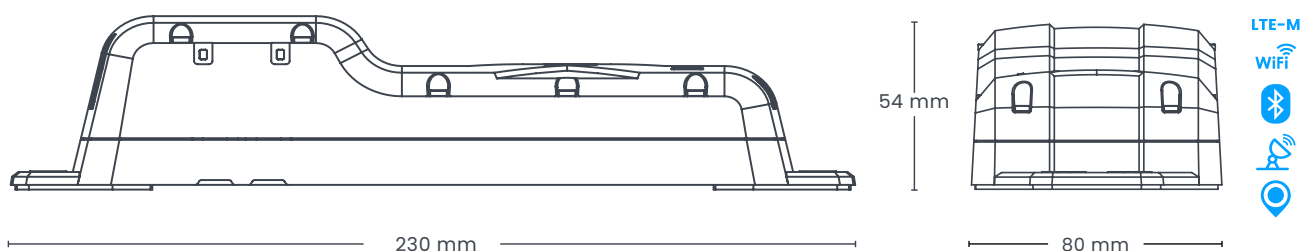
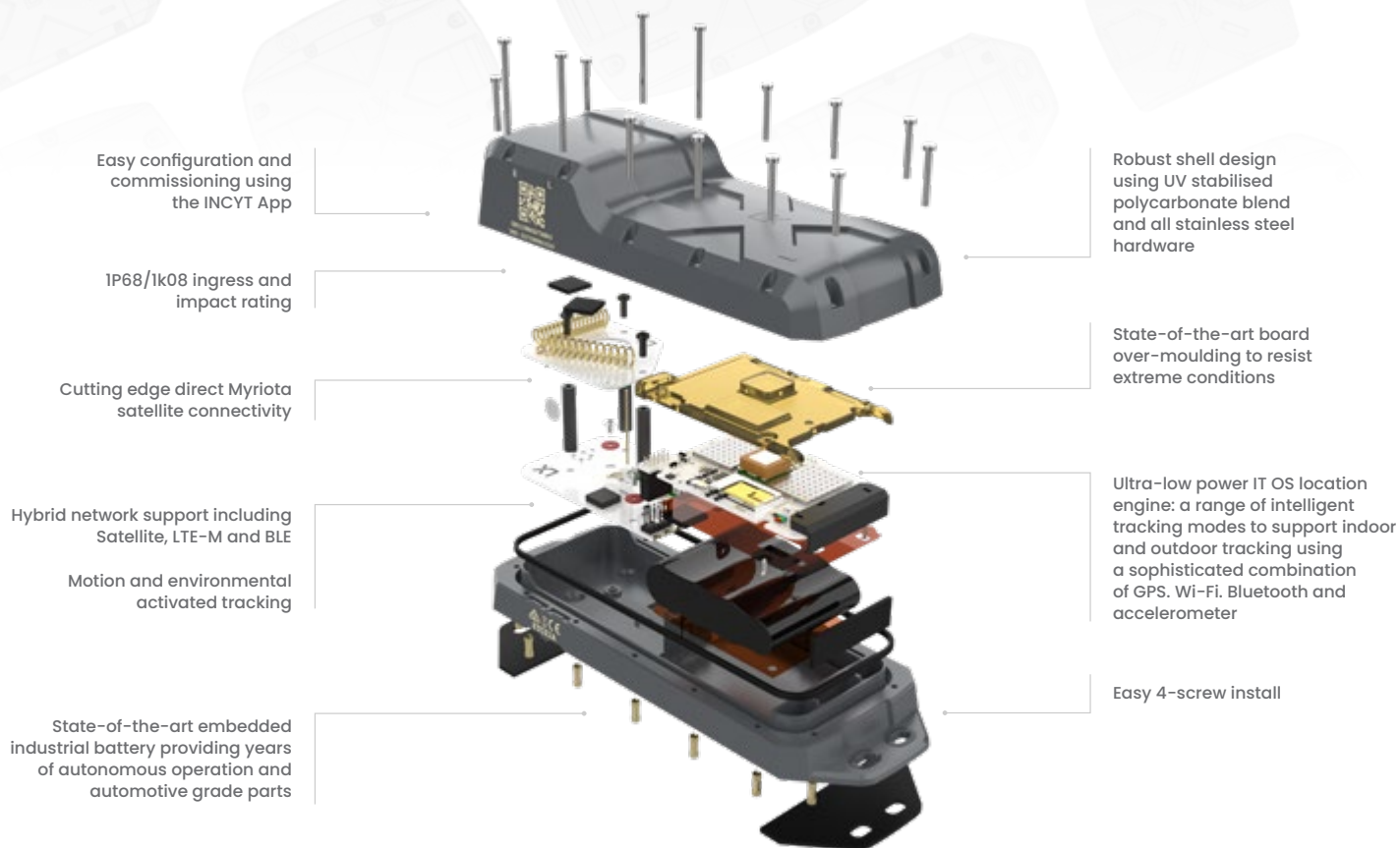
Embraced by esteemed institutions like the Defence Department and revered by farmers worldwide, Andromeda's global SIM and affordable Nanosatellite connectivity opens doors to limitless possibilities.

Choose Andromeda for unrivalled comfort in knowing exactly where your assets are. This is the device that'll make you wish you contacted us sooner.

Reporting Plans available for Andromeda

Lite Plan	Standard Plan	Pro Plan
<p>Longest battery life and low costs for your basic monitoring need. Perfect for replacing manual daily checks.</p> <ul style="list-style-type: none"> • Geolocation and transmission once per day • Internal sensors sampled once per day • Satellite fallback for geolocation if no LTE-M coverage • Up to 3 years battery life* • Configurable notifications in-App, by email and by SMS • 12-month data retention** • Up to 1x Andromeda <p><small>* Depending on the environment, under recommended operating conditions</small></p> <p><small>** As long as the plan is active for this Application</small></p>	<p>The INCYT Team recommendation for best balance between performance, update frequency and battery life.</p> <ul style="list-style-type: none"> • Geolocation and Data transmission once a day, and on motion start/stop • Internal sensors sampled once a day • Satellite fallback for geolocation if no LTE-M coverage • Runtime/Time-in-Motion Monitoring • Up to 1.5 years battery life* • Configurable notifications in-App, by email and by SMS • Unlimited data retention** • Up to 1x Andromeda <p><small>* Under recommended operating conditions, in area with average to good LTE coverage 20% of the time, max 50x motion start+stop events per month on average</small></p> <p><small>**As long as the plan is active for this Application</small></p>	<p>Get frequent updates while still benefitting from a reasonable battery life and contained costs</p> <ul style="list-style-type: none"> • Geolocation and Data transmission twice a day, and on motion start/stop every 2 hours while in motion • Scans for up to 40 surrounding INCYT BLE devices • Satellite fallback for geolocation and up to 4 surrounding INCYT BLE devices if no LTE M coverage* • Runtime/Time-in-Motion Monitoring • Over 1 year battery life** • Configurable notifications in-App, by email and by SMS • Unlimited data retention*** • Up to 1x Andromeda <p><small>* If more than 4 detected, only transmits the ones with best 4 RSSIs over satellite</small></p> <p><small>** Under recommended operating conditions, in area with average to good LTE coverage 20% of the time, max 120h in motion per month on average, 4x BLE devices in range at each scan on average</small></p> <p><small>*** As long as the plan is active for this Application</small></p>

* Recommended operating conditions for Andromeda: Battery life assumes the device is within LTE-M coverage at least 50% of the time in use. Please note transmission over satellite will incur additional latency. For optimal satellite communication performance, ensure device has clear line of sight to the sky.



Attributes

Radios	Myriota Nanosatellite (VHF+UHF, licensed spectrum), LTE-M, BLE 5, WiFi and GPS
SIM	Integrated global chip SIM supporting most LTE-M operators
Region	Multi region LTE-M. Supported bands: 2, 3, 4, 5, 8, 12, 20, 28 Myriota Service 1 and Service 2 variants
Firmware upgrade	Via INCYT Dashboard over Cellular (config using App over BLE coming soon)
Power	Replaceable Industrial Lithium Thionyl Chloride primary battery pack
Location Sense	BLE Beacon and Scan, WiFi Scan, GPS
Size + weight	54 x 80 x 230 mm, 0.5kg
Enclosure Rating	IP68 / IK08
Mounting option	Screws, bolts or rivets
Packaging	Single unit retail box
Storage	12 months shelf life prior to activation
Certifications	FCC, CE, RCM, BT Sig
Temp. range	Operational temp range -20°C to +80°C (-10°C to +60°C recommended)
Accessories	Battery replacement kit (purchased separately)

Antares

Tracker, sensor and IoT gateway – all in one

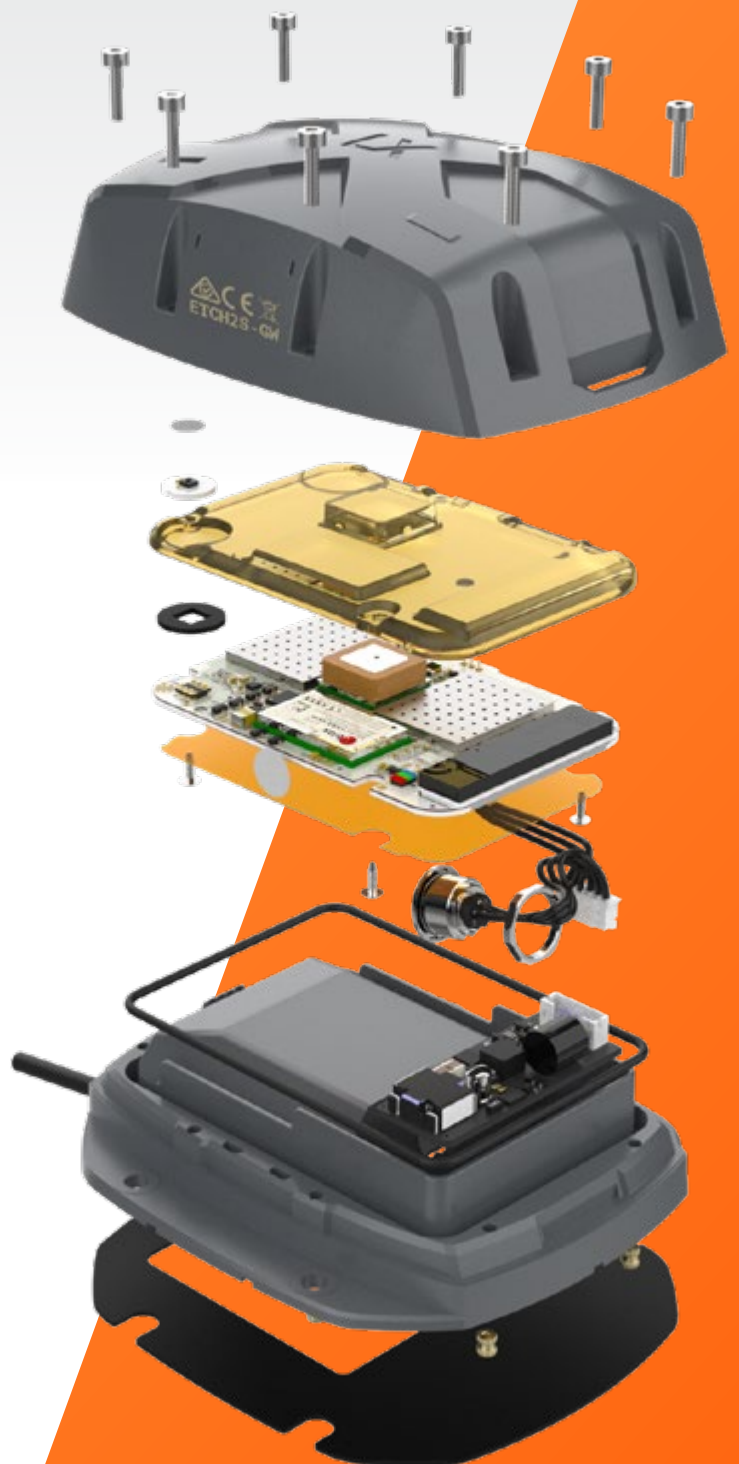
Antares is the device you want when you need network deployment, geolocation reporting, and condition monitoring all in one.

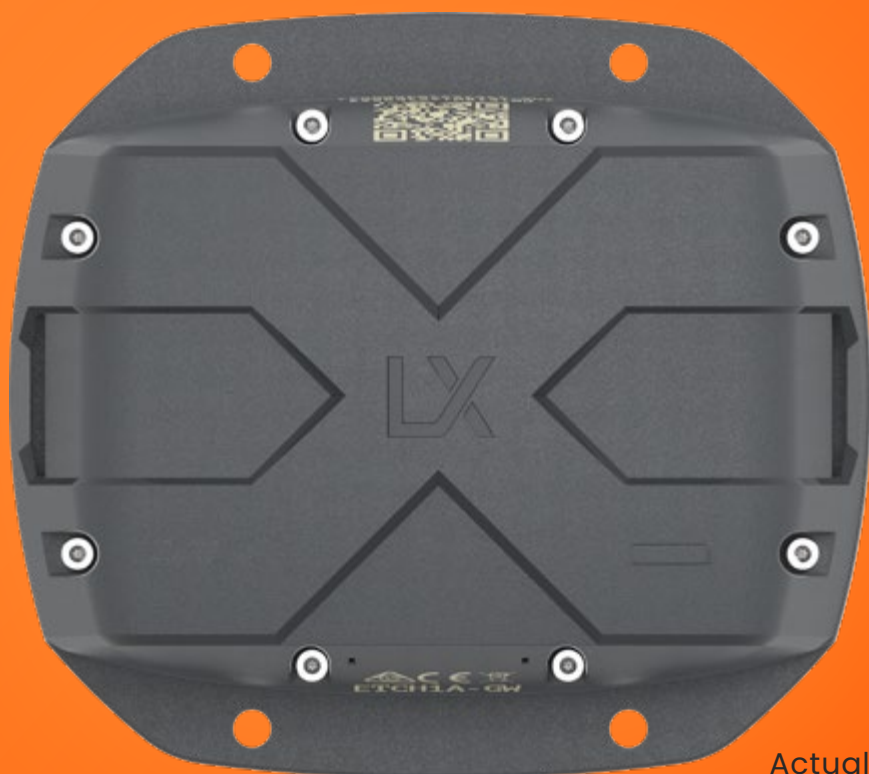
With the ability to deploy a machinery area network for beaconing devices like our Lyra, you can use Antares to create geofences, drive increased employee compliance and safety, or even monitor the condition of perishable goods on the move.

Applications

Gateway Function: Empowering Industrial IoT Applications in areas with limited Google mapping or weak LTE signal, including multi-storey buildings, hospitals, factories, and aircraft hangars.

Tracking Function: close to real-time vehicle tracking with BLE and device ID listening, enabling precise temperature and humidity monitoring in applications such as those with refrigerated shipping containers during transportation, or heavy vehicles in transit.





Actual Size

Antares at a Glance

- Military grade asset tracker
- Wall powered/solar powered/straight-to-battery (vehicle)
- Lightweight
- Robust
- IP68
- BLE listening
- Affordable, close to real-time tracking
- Environmental monitoring capabilities (SE+)
- Multiple profiles to suit your requirements that can be updated over the air
- Integrated global chip SIM
- INCYT geofence access

Key Use Cases

- Any assets that need to be tracked
- Aerospace ground assets
- Vehicles
- Powered trailers
- Network deployment



Why Choose Antares?

Antares is a rugged and robust, multi-functional tracker and gateway. This cutting-edge device empowers you with a range of capabilities. It excels at close to real-time asset tracking, seamlessly connecting direct-to-power sources or operating with solar power. Antares serves as a gateway, actively listening for all BLE embedded capability devices within our product range.

The Antares device offers a multitude of empowering features, including advanced

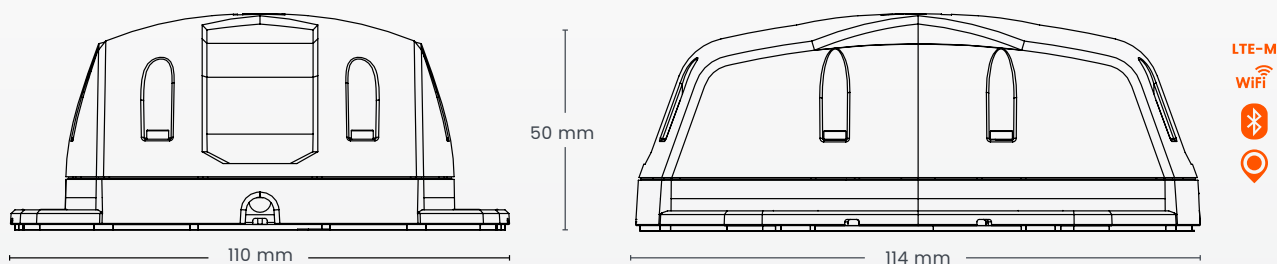
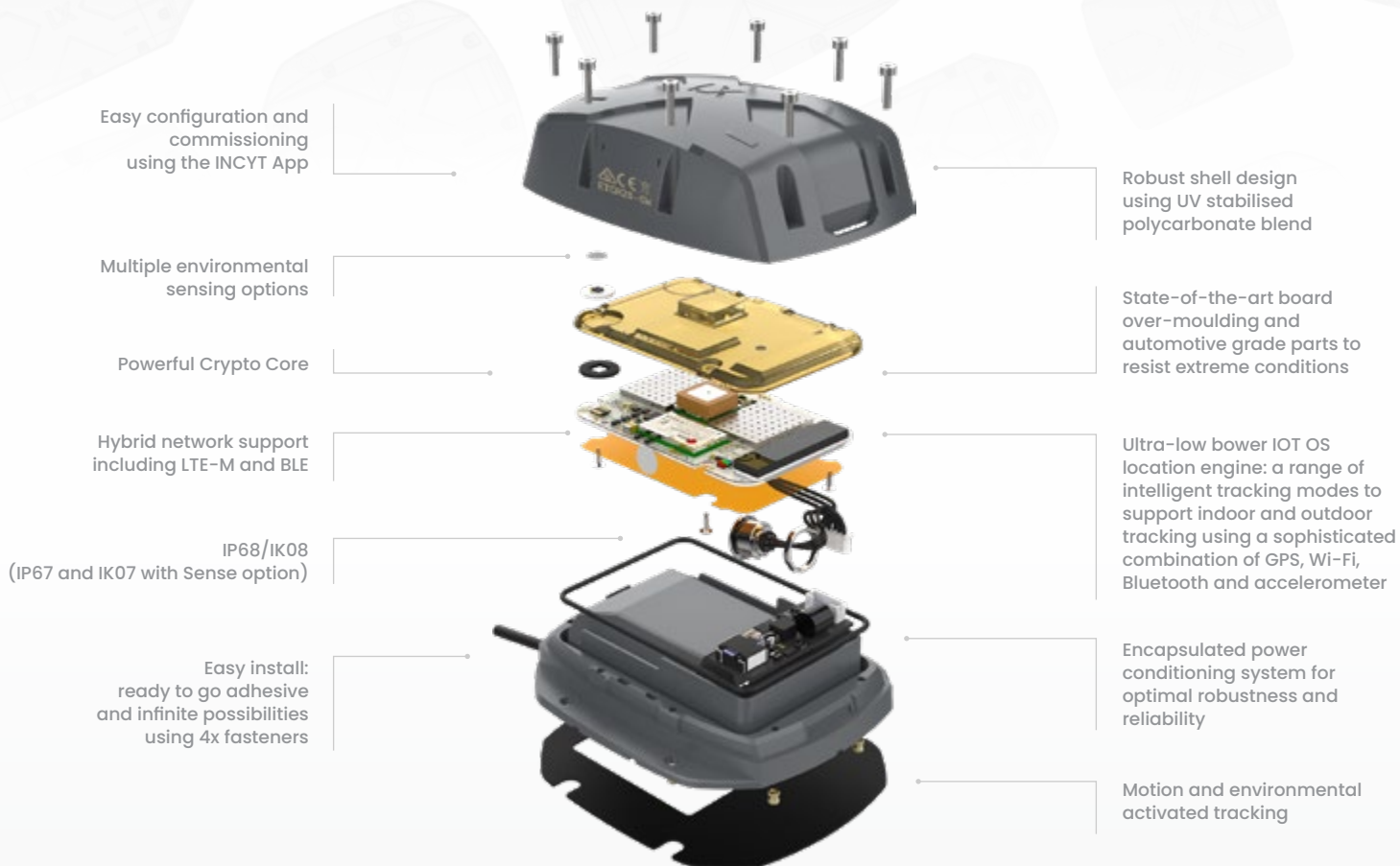
tracking capabilities, and a unique sense option. The latter option allows for precise measurements of ambient temperature and humidity, empowering you to harness accurate environmental insights.

The Antares can be deployed indoor and outdoor, depending on your requirements.

Choose Antares for when you want network deployment, geolocation reporting, and condition monitoring all in one.

Reporting Plans available for Antares

Lite Plan	Standard Plan	Pro Plan	Unleashed Plan
<p>Low cost tracking and sensing with an Antares device.</p> <ul style="list-style-type: none"> • Geolocation, BLE Scanning and Data transmission every 12 hours and on motion start/stop • Internal sensors sampled every 4 hours • Runtime/Time-in-Motion Monitoring • Configurable in-App alarm notifications • 12-month data retention* • 1 x Antares <p><i>* As long as the plan is active for this Application</i></p>	<p>The INCYT Team recommendation for best balance between performance, update frequency and cost.</p> <ul style="list-style-type: none"> • Geolocation, BLE Scanning and Data transmission every 4 hours and on motion start/stop, and every 30 minutes while in motion • Internal sensors sampled every 1 hour • Runtime/Time-in-Motion Monitoring • Keep GPS warm for accurate probability of GPS location • Configurable in-App alarm notifications • Unlimited data retention* • 1 x Antares <p><i>* As long as the plan is active for this Application</i></p>	<p>Get frequent updates while keeping costs contained.</p> <ul style="list-style-type: none"> • Geolocation, BLE Scanning and Data transmission every 30 minutes • Internal sensors sampled every 30 minutes • Runtime/Time-in-Motion Monitoring • Keep GPS hot for optimal outdoor geolocation. • Configurable notifications in-App, by email and by SMS • Unlimited data retention* • 1 x Antares <p><i>* As long as the plan is active for this Application</i></p>	<p>Get updates as frequently as possible.</p> <ul style="list-style-type: none"> • Geolocation and Data transmission every 10 minutes • Internal sensors sampled every 5 minutes • Runtime/Time-in-Motion Monitoring • Keep GPS hot for optimal outdoor geolocation. • Continuous BLE Scanning. • Configurable notifications in-App, by email and by SMS • Unlimited data retention* • 1 x Antares <p><i>* As long as the plan is active for this Application</i></p>



Attributes

Radio	LTE-M/CAT, BLE 5, WiFi and GPS
SIM	Integrated global chip SIM supporting most LTE-M operators
Region	Multi region Cat M1/NB1 Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Environment sensing	Temperature, Relative Humidity, Atmospheric Pressure, Orientation, Motion
Firmware upgrade	Via App and over BLE or Cellular
Battery / power	A/C Mains connector, Solar Power or Automotive engine*
Size	50 x 110 x 114mm
Weight	220g
Mounting options	VHB, Screws or Rivets
Enclosure Rating	IP68/IK08, (IP67/IK07 for models with Sensing Port*) * sensor port must be kept free of liquids and dust
Packaging	Single unit retail box
Temperature range	-10oC to +60°C (operational temp range -20oC to +80oC)
Certifications	CE, RCM, BT Sig
Accessories	Weather Shield, USB-C Power Cable, Manual Wiring Power Cable, Solar Kit (accessories to be purchased separately)

Polaris

LTE-M Battery Powered Tracker with Advanced Sense Capability

Polaris is the rugged yet powerful LTE-M tracker that can be fitted to almost any asset to provide regular, reliable location reporting, wherever you are.

From outdoor construction sites to indoor spaces, to vehicles on the move, use Polaris to get the insights you need for location reporting, geofencing, compliance, security and more.

Built to last, easy to deploy with real-time, actionable data sent directly to your phone, tablet, or computer.





Actual Size

Polaris at a Glance

- Long battery life up to 7yrs
- Compact by design
- BLE listening capabilities
- IP 68
- Rugged
- Military grade
- Peel 'n Stick application
- Scan 'n Play application
- INCYT geofence access

Key Use Cases

- Any assets that need to be tracked
- Aerospace ground assets
- Vehicles powered/non-powered
- Trailers
- Animal tracking

Applications

Gateway Function: Empowering Industrial IoT Applications in areas with limited Google mapping or weak LTE signal, including multi-storey buildings, hospitals, factories, and aircraft hangars.

Tracking Function: Close to real-time vehicle tracking with BLE and device ID listening, enabling precise temperature and humidity monitoring in applications such as those with refrigerated shipping containers during transportation, or heavy vehicles in transit.



Why Choose Polaris?

Polaris, the highly sought-after military-grade asset tracker, proudly leads our range with unmatched popularity and versatility. Its compact size, cutting-edge BLE listening capabilities, and impressive long battery life make it the top choice for Defence and Mining hire companies globally.

Polaris offers an advanced Sense+ version, equipped to precisely measure environmental temperature and humidity. This feature proves invaluable in the likes of the Apiary industry, facilitating the seamless tracking and monitoring of beehives.

Reporting Plans available for Polaris

Lite Plan

Longest battery life and low costs for your basic monitoring need. Perfect for replacing manual daily checks.

- Internal sensors sampled once a day
- Geolocation and transmission once a day
- Up to 7 years battery life*
- Configurable in-App alarm notifications
- 12-month data retention**
- 1 x Polaris

** Under recommended operating conditions, in area with average to good LTE coverage*

*** As long as the plan is active for this Application*

Standard Plan

The INCYT Team recommendation for best balance between performance, update frequency and battery life.

- Geolocation and Data transmission once a day, and on motion start/stop
- Internal sensors sampled every 4h
- Runtime/Time-in-Motion Monitoring
- Scans for up to 5 surrounding INCYT BLE devices
- Up to 3 years battery life*
- Configurable notifications in-App, by email and by SMS
- Unlimited data retention and .csv historical data download**
- 1 x Polaris

** Under recommended operating conditions, in area with average to good LTE coverage, max 120x motion start+stop events per month on average*

***as long as the plan is active for this Application*

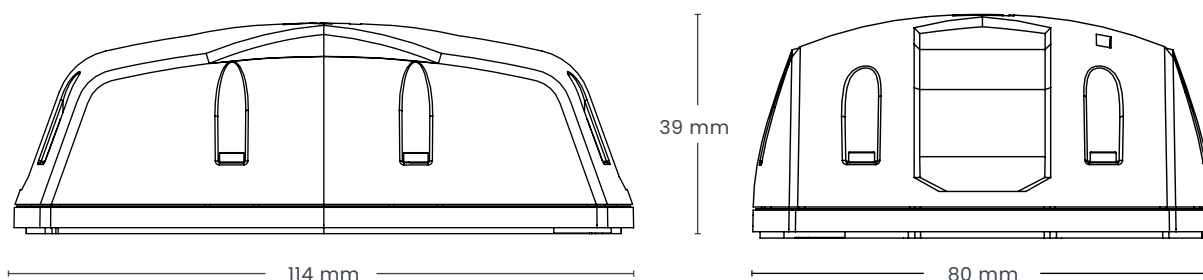
Pro Plan

Get frequent updates while still benefitting from a reasonable battery life and contained costs

- Geolocation and Data transmission every 6 hours, and on motion start/stop every hour while in motion
- Internal sensors sampled every hour
- Runtime/Time-in-Motion Monitoring
- Scans for up to 40 surrounding INCYT BLE devices
- Up to 1.5 years battery life*
- Configurable notifications in-App, by email and by SMS
- Unlimited data retention and .csv historical data download**
- 1 x Polaris

** Under recommended operating conditions, in area with average to good LTE coverage, max 120x in motion per month on average, 5x BLE devices in range at each scan on average*

*** As long as the plan is active for this Application*



Attributes

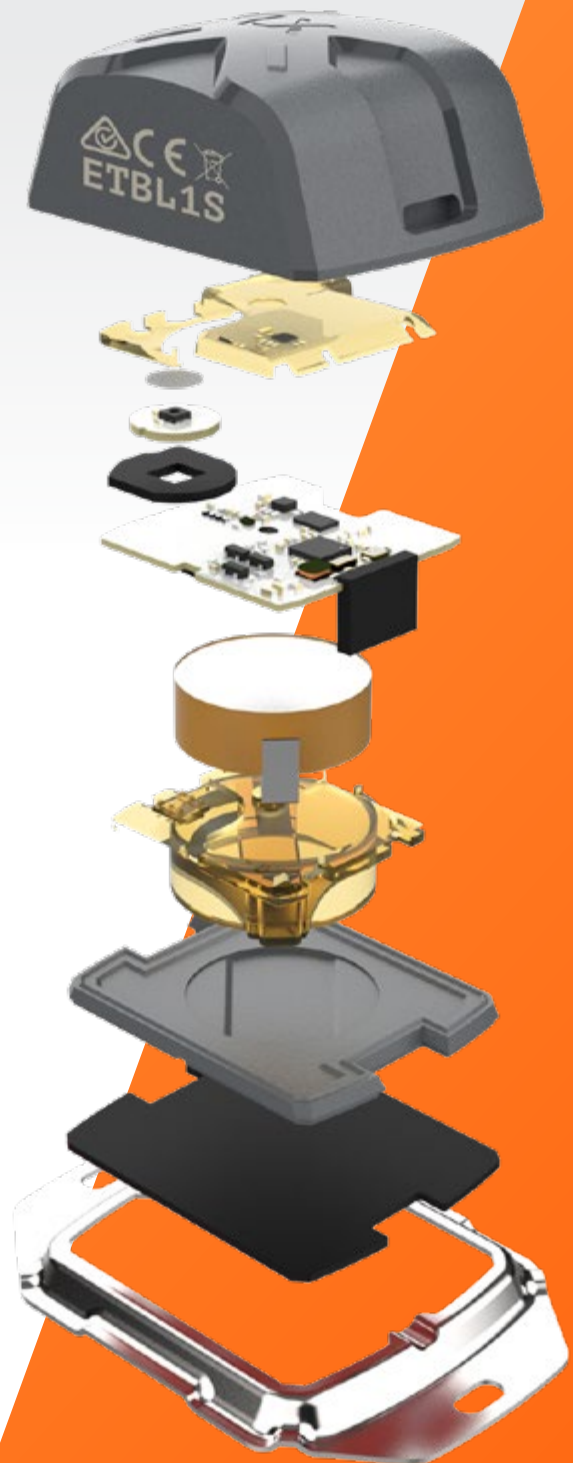
Radio	LTE-M, BLE 5, WiFi, GPS
SIM	Integrated global chip SIM supporting most LTE-M operators
Region	Multi region LTE-M Supported bands: 2, 3, 4, 5, 8, 12, 13, 20, 28
Firmware upgrade	Via App and over BLE or Cellular
Battery	Replaceable Industrial Lithium Thionyl Chloride primary battery pack
Battery life	Up to 7 years
Location sensing	GPS, WiFi geolocation, BLE Beacon and Scan
Sense option	Accelerometer, Temperature, Relative humidity, Atmospheric Pressure
Size	39 x 80 x 114 mm
Weight	300g
Mounting options	VHB high strength adhesive, security bracket, cable-tie
Enclosure rating	IP68/IK08, (IP67/IK07 for models with Sensing Port*) * sensor port must be kept free of liquids and dust
Temp. range	-20°C to +60°C (0°C to 40°C recommended for optimal performance)
Accessories	Security Mounting Bracket, Weather Shield, Battery Replacement Kit (accessories to be purchased separately)

Lyra

Tracking and Tagging. Lyra is mini but mighty.

Lyra beacons are compact, battery powered IoT beacons that can be attached to pretty much anything. The device will continuously beacon its location for any surrounding 'listening' devices such as Antares or Polaris that then report via the INCYT App.

Attach them to smaller containers in a cold chain application, or use on tools and equipment with an Antares to geotag entry and exit from a warehouse space. With varying reporting profiles to fit your needs, Lyra is the little device that makes a big impact to your business.





Actual Size

Lyra at a Glance

- Small in size
- Lightweight
- Long battery life
- High reporting rate
- Peel 'n Stick application
- INCYT geofence access
- IP68

Common Use Cases

- Equipment tracking in warehouses and on farms
- Animal tracking
- Bee Hive monitoring
- Medical incubation monitoring
- Horticultural drying process



Why Choose Lyra?

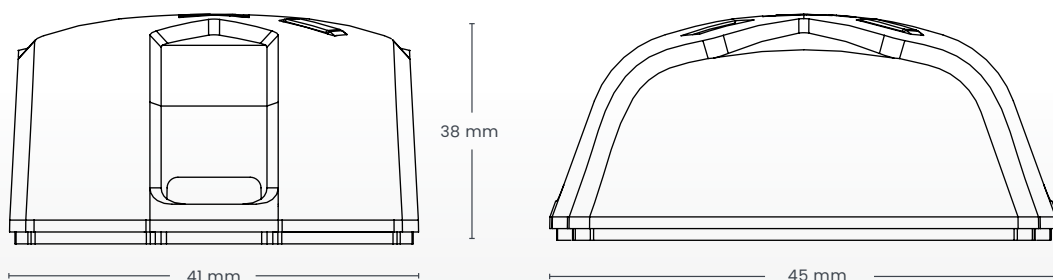
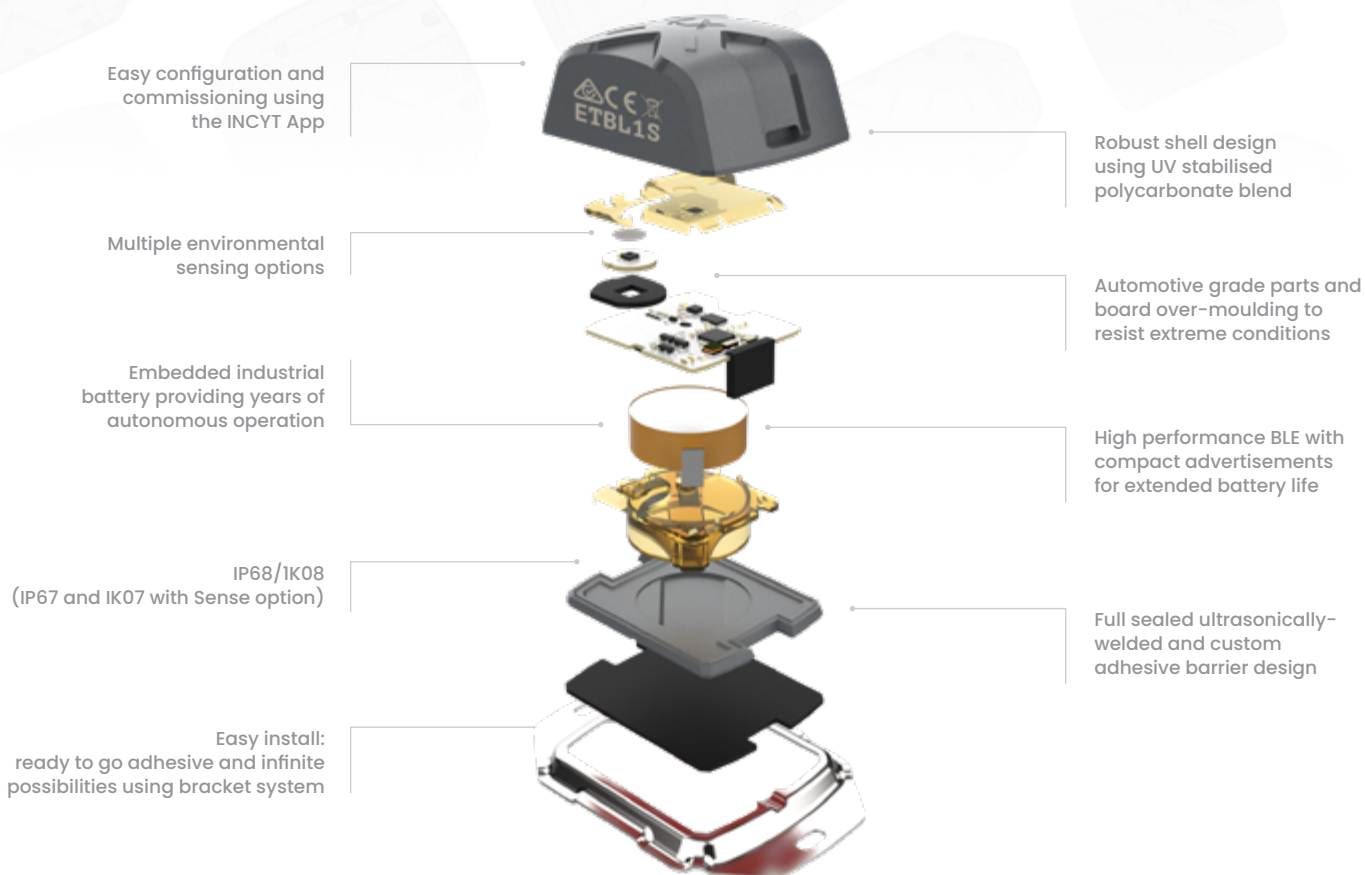
As our most compact asset tracker, Lyra utilises BLE (Bluetooth 5.0) for precise location tracking in proximity to our esteemed range of asset trackers: Andromeda, Antares, and Polaris.

The Lyra boasts impressive versatility, offering two variants – Lyra and Lyra SE+. The Lyra SE+ finds applications in various settings, including refrigerated shipping containers, Medical Incubation Ovens, and Bee Hives, just to name a few.

With its high reporting rate capability (up to every 5 seconds if needed), the Lyra ensures real-time data transmission, all while maintaining an extraordinary battery life of up to 5 years* – a feat that aligns with the exceptional standards of our entire asset tracking range.

Reporting Plans available for Lyra

Lite Plan	Standard Plan	Pro Plan
<p>Longest battery life and low costs for your basic monitoring need. Perfect to replace manual daily checks.</p> <ul style="list-style-type: none">• Location beacons every ~5s• Up to 5 years battery life*• Configurable in-App alarm notifications• 12-month data retention**• 1 x Lyra <p><i>* Depending on network and environment, under recommended operating conditions</i></p> <p><i>** As long as the plan is active for this Application</i></p>	<p>The INCYT Team recommendation for best balance between performance, update frequency and battery life.</p> <ul style="list-style-type: none">• Sensors sampling every 1h• Location and Sensor beacons every ~5s• Up to 4.5 years battery life*• Configurable notifications in-App, by email and by SMS• Unlimited data retention**• 1 x Lyra <p><i>* Depending on network and environment, under recommended operating conditions</i></p> <p><i>** As long as the plan is active for this Application</i></p>	<p>Get frequent updates while still benefitting from a reasonable battery life and contained costs</p> <ul style="list-style-type: none">• Sensors sampling every 15 min• Location and Sensor beacons every ~5s• Up to 4 years battery life*• Configurable notifications in-App, by email and by SMS• Unlimited data retention and .csv historical data download**• 1x Lyra <p><i>* Depending on network and environment, under recommended operating conditions</i></p> <p><i>** As long as the plan is active for this Application</i></p>



Attributes

Radio	BLE
Firmware upgrade	Via App and over BLE or Cellular
Battery	CR2477
Typical behaviour	Beaconing every ~5s with last sensor reading included in beacons (refreshed every 15 or 60 minutes)
Sense Option	Accelerometer, Temperature, Relative humidity
Size + Weight	41 × 38 × 45 mm, 36g
Enclosure Rating	IP68 / IK08. (IP67/IK07 with Sensor port option*)
Mounting option	VHB high strength adhesive, Security bracket, Reverse Bracket, Cable-tie
Packaging	Single unit retail box
Storage	12 months shelf-life prior to activation (stored between 5°C and 250°C)
Certifications	FCC, CE, RCM, BT Sig, UN38.3
Temp. range	Operational temp range -20°C to 60°C (recommended 0°C to 40°C)
Accessories	Security Mounting Bracket, Weather Shield

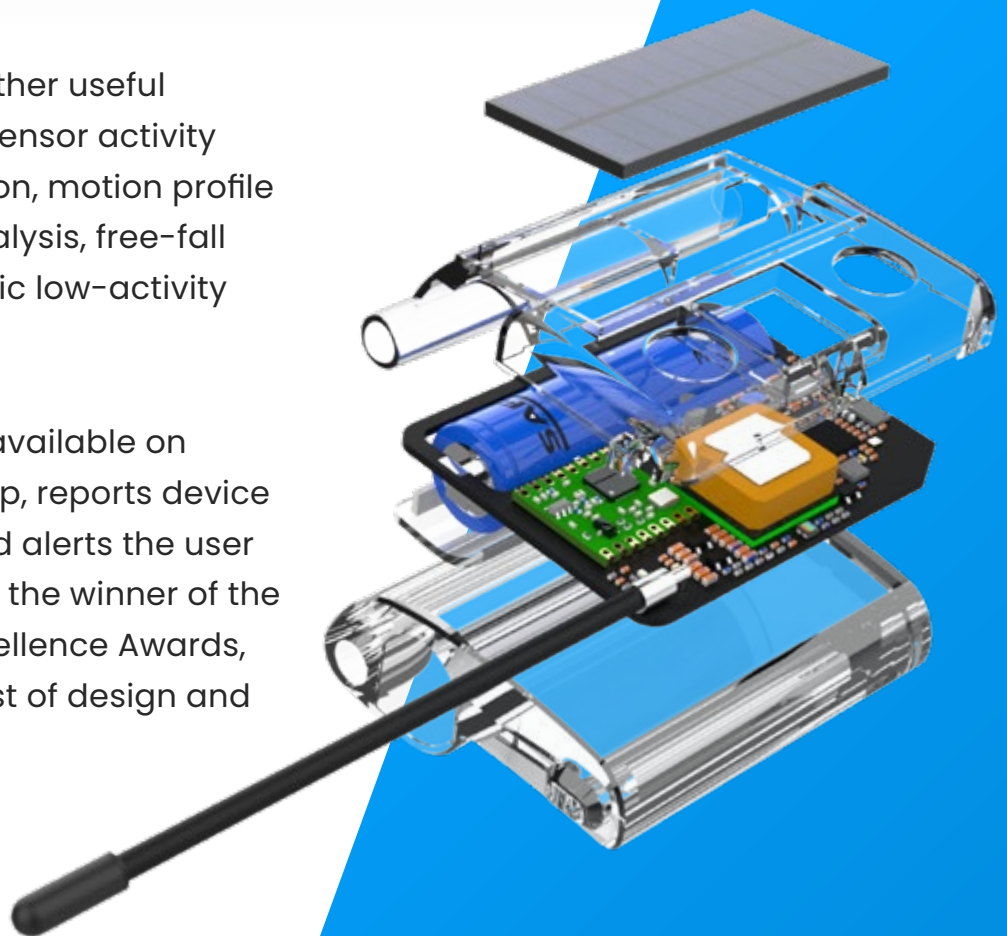
Cygni

**A robust, lightweight and safe,
near-real-time wildlife telemetry tag.**

The Cygni Tracker is a telemetry tag that tracks and monitors wildlife through an intelligent ecosystem of network devices.

It also has an array of other useful features such as dual-sensor activity logging, impact detection, motion profile analysis, orientation analysis, free-fall detection, and automatic low-activity e-mail alerts.

The software platform, available on both mobile and desktop, reports device health, battery level, and alerts the user to network drop-offs. As the winner of the Sydney Engineering Excellence Awards, Cygni combines the best of design and engineering.





Actual Size

Cygni at a Glance

- Small size: 22 × 56 × 60* mm
(*excl. external 86mm flexible whip antenna)
- Solar powered
- Multi-functional in application
(animals or assets)
- Lightweight (77g)
- Device interaction features
- INCYT geofence access
- IP68 rating

Key Use Cases

- Thousands of koalas currently being tracked in Australia
- Other animal trials in progress

Applications

Wildlife Interaction

Tracks the proximity between Cygni tags to identify factors such as isolation, mating habits and fighting.

High-Risk Zone alert

Predefined high-risk zones using geofencing to alert the user when an animal is near danger.

Advanced monitoring and reporting features

- Low-activity Detection
- Impact Detection

Why Choose Cygni?



The Cygni device represents a revolutionary advancement in wildlife tracking, utilising our XR base station to deploy a private LoRa network.

As one of the world's most sophisticated animal trackers, it provides our esteemed clients with comprehensive visibility into the animals' location, routes, and interactions. Whether animals wear the Cyngi Tracker or

any other tracker from our remarkable assortment, the insights are unparalleled. With seamless integration into the INCYT platform, deploying geofences are effortless and ensure the safety of your animals. Instant SMS and email notifications keep you informed if any animal ventures outside its designated safe zone.

Reporting Plan available for Cygni

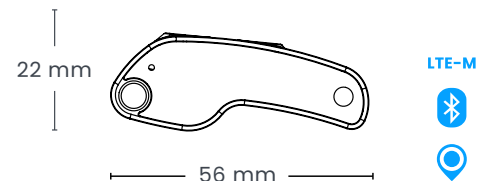
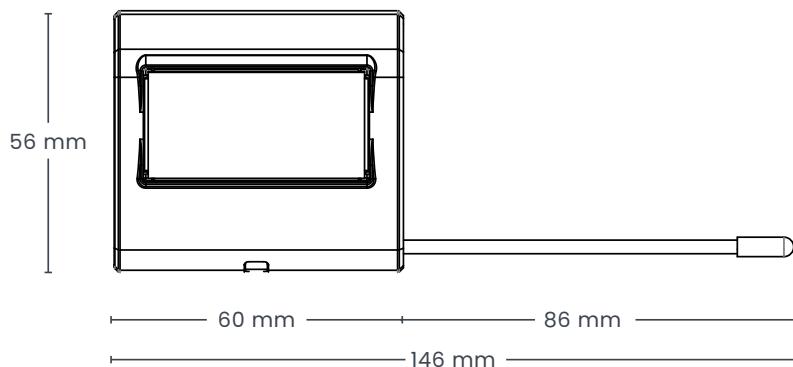
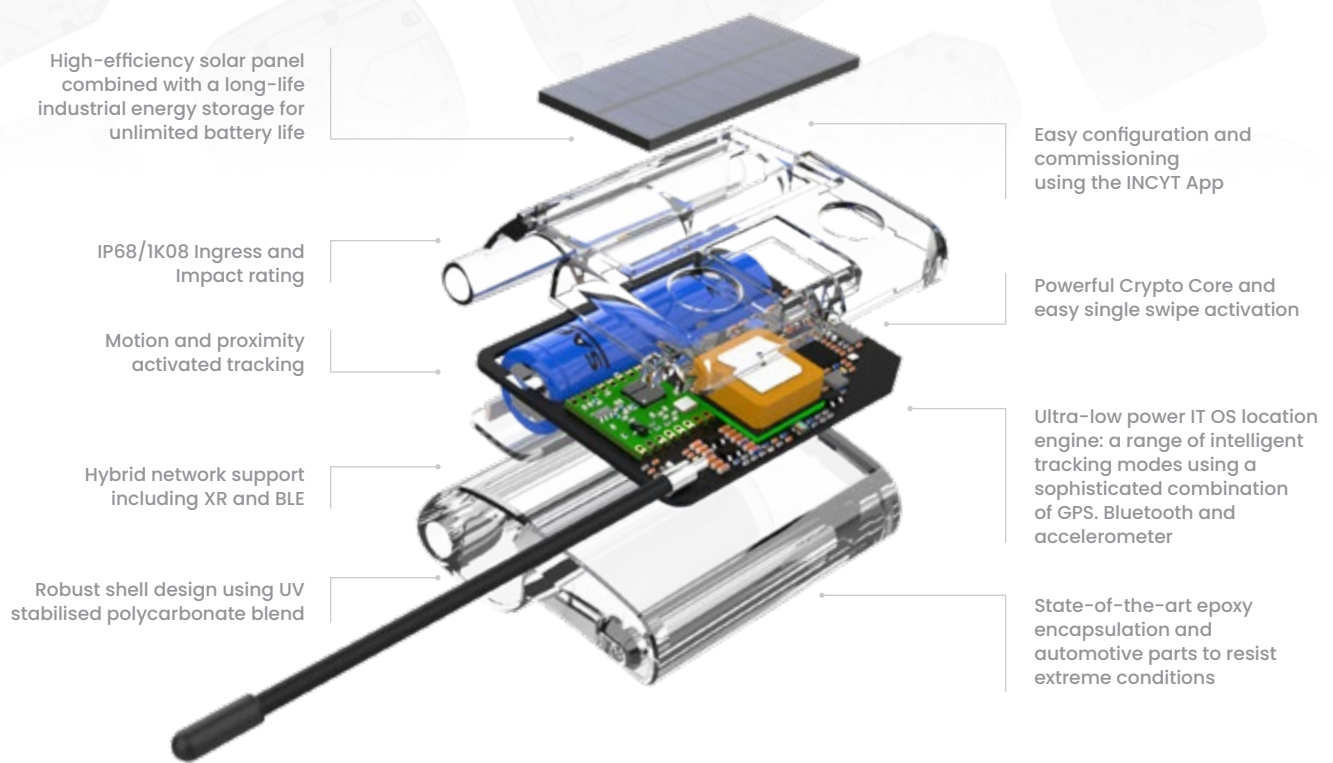
Pro Plan

All the features and configurations we offer for monitoring koalas.

- Configurable reporting rate from 5 mins to 12h
- Koala interactions monitoring
- Activity and impact monitoring
- Geofencing
- Unlimited battery life*
- Unlimited data retention**
- Work with Cygni Solar Tracker
- Configurable notifications in-App, by email and by SMS

** Depending on reporting rate, network and environment, under recommended operating conditions*

*** As long as the plan is active for this Application*



Attributes

Radio	XR (Private LoRa), BLE, GPS
Firmware upgrade	Using dedicated INCYT tool, over BLE
Power	Unlimited battery life thanks to high-efficiency embedded solar panel and rechargeable 1,920mWh LiFeP04 buffer battery
Typical behaviour	Monitor movement, monitor proximity to surrounding Cygni devices, report collected data and GPS location at dynamically adjusted intervals between every 5 minutes to 24 hours.
Location Sense	BLE Beacon and scan. GPS
Size + weight	77g, 22 × 56 × 60* mm (*excluding external 86mm flexible whip antenna)
Enclosure Rating	IP68
Mounting options	Koala Safe-Collar cable tie
Packaging	Packs of 2 units
Storage	12 months shelf-life prior to activation (stored between 5°C and 25°C)
Certifications	RCM, UN38.3
Temp range	Operational temp range -10°C to 60°C (recommended 0°C to 40°C)
Accessories	Koala Safe-Collar, Safe-Collar Fitting Toolkit, Safe-Collar Ring Assortment Kit, Safe-Collar Counterweight

Industries





Defence

In the fast-paced world of Defence, access to data and precise tracking capabilities are paramount for operational success.

With INCYT Track, the defence sector gains access to a comprehensive suite of military grade, cutting-edge asset trackers, tailored to meet the unique demands of military operations.

Enhanced Asset Visibility + Security

Track devices offer enhanced asset visibility, providing close to real-time location data and operational insights through the INCYT App. Designated users can access a personalised dashboard (Cockpit) displaying the likes of the location, condition, and movement patterns of assets, ensuring better decision-making, heightened security, and rapid response capabilities. This form of intervention is particularly effective in relation to air ground equipment.

Geofencing + Perimeter Monitoring

Our devices are equipped with advanced geofencing capabilities, allowing the defence industry to establish virtual boundaries around key locations or sensitive areas. In case of unauthorised movement or theft, the INCYT Dashboard can be set to trigger customisable alerts, enabling personnel to respond promptly and mitigate potential threats.



Optimised Resource Utilisation

With precise asset tracking and usage data provided by the INCYT App, resource optimisation has never been easier. By understanding asset deployment patterns and usage trends, users can identify opportunities to improve efficiency, reduce operational costs, and ensure that assets are allocated where they are needed most.

Condition Monitoring + Predictive Maintenance

Maintenance of military equipment is vital to ensure its peak performance and longevity. INCYT can provide data on the condition and

status of key assets, allowing maintenance crews to proactively schedule necessary repairs or replacements based on reported runtime data. This predictive maintenance approach reduces downtime, enhances asset lifespan, and improves operational readiness.

Secure Communication + Data Integrity

Recognising the sensitive nature of defence operations, INCYT Track prioritise data security and integrity. The devices employ robust encryption protocols, ensuring that all communications between assets and the INCYT App remain secure and tamper-proof.



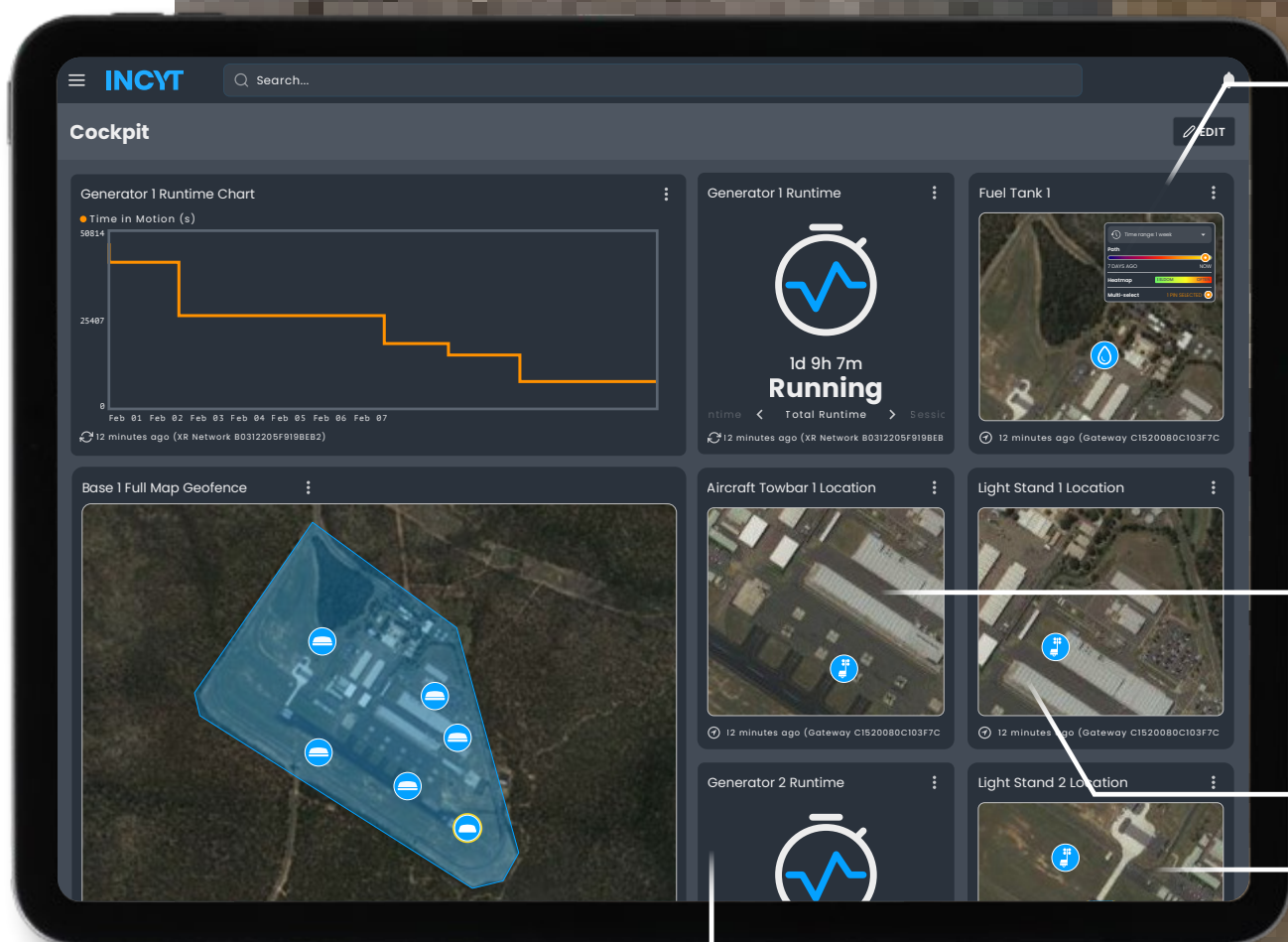
Insight from INCYT



Incorporating asset trackers in defence operations is of paramount importance, and it underscores INCYT's commitment to delivering top-tier solutions in terms of durability, robustness, long battery life, and security. By providing asset trackers that excel in these areas, INCYT can meet the stringent demands of defence operations. This not only safeguards government assets but also enhances the overall efficiency and effectiveness of defence operations, whether they are carried out in Australia or on foreign soil. It's a testament to INCYT's commitment to delivering state-of-the-art solutions to support national security efforts.

– DEREK GANCAR, HEAD OF ASSET TRACKING AND INDUSTRIAL IOT SOLUTIONS, INCYT





INCYT for the Defence Industry



Equipment
Route
Optimisation



Predictive
maintenance



Theft
Management



Entry/Exit
alerts



Asset Location
Monitoring



Multi-site
monitoring

... and
many
more!

Construction

Managing valuable assets, optimising operations, and ensuring on-time project delivery are critical challenges. INCYT Track offers an array of cutting-edge asset trackers tailored to meet the unique demands of the construction industry.

Asset Tracking + Management

One of the primary challenges in construction is keeping track of expensive equipment and materials spread across vast project sites. INCYT Track provides close to real-time location data and insights on asset movement, enabling construction managers to have precise visibility over the whereabouts of equipment, machinery, and tools. This enhanced asset tracking capability ensures better utilisation, reduces loss, and simplifies asset management workflows.

Inventory Control + Resource Allocation

Construction projects often involve managing an extensive inventory of materials, which can be a complex task. Our devices facilitate accurate

inventory control by providing data on the availability and usage of construction equipment and materials. This information aids in optimising resource allocation, minimising downtime, and reducing costs, contributing to more efficient project execution.

Geofencing for Enhanced Security

Unfortunately, construction sites are vulnerable to theft and unauthorised access, which can lead to significant losses and delays. INCYT offers geofencing features, allowing construction companies to create virtual boundaries around their project sites, plus the option for users to set alerts on parameters of their choice, such as the entry and exit logging of equipment.



Improved Equipment Maintenance

Timely maintenance of construction equipment is crucial for ensuring their longevity and efficient operation. Our devices facilitate condition monitoring, track equipment usage, and provide valuable data for predictive maintenance. With this information, construction companies can proactively schedule maintenance, minimise downtime, and optimise equipment lifespan contributing to more efficient project execution.

Efficient Fleet Management

Construction projects often involve a fleet of vehicles and machinery, making fleet management a significant challenge. Our devices offer comprehensive insights into vehicle location, fuel consumption, and usage patterns. This data empowers construction companies to optimise routes, improve fuel efficiency, and enhance overall fleet productivity.

Enhanced Safety + Compliance

Safety is of paramount importance in construction, and adherence to regulatory compliance is mandatory. Our technology aids in enhancing safety by monitoring assets and personnel within construction sites. Additionally, they can provide data on compliance with operational guidelines, ensuring that construction projects meet industry standards and regulatory requirements.

Streamlined Project Planning + Execution

By leveraging the data provided, construction companies can streamline project planning and execution. Real-time insights enable better decision-making, early detection of bottlenecks, and improved project timelines. This increased efficiency contributes to the successful and timely completion of construction projects.



Insight from INCYT

INCYT Track is committed to delivering top-tier asset-tracking solutions to construction companies. Just as in defence operations, durability, robustness, and long battery life are crucial. Durability ensures functionality in challenging remote environments, while a long battery life increases in-field longevity and the ROI of the deployment. By excelling in these areas, INCYT not only enhances asset management but also elevates construction project efficiency and effectiveness.

– ADAM SCHINDHELM, CEO, INCYT





Compliance
Aid



Predictive
maintenance



Run-time
Monitoring



Entry/Exit
alerts



Theft
Management



Multi-site
monitoring

... and
many
more!

INCYT for the Construction Industry





INCYT

Search...

Cockpit

Site 1 Full Map Geofence



12 minutes ago (Gateway C1520080C103F7C)

Roller 3 Acceleration



A: (0.03, -0.03, 1.00)
|A|: 1.00G, Tilt: 2°

12 minutes ago (XR Network B0312205F9198E82)

Roller 3 Acceleration Chart



12 minutes ago (XR Network B0312205F9198E82)

Wheel Loader 1



12 minutes ago (Gateway C1520080C103F7C)

Wheel Loader 1 In-Cab



14.7°C 92%RH

12 minutes ago (XR Network B0312205F9198E82)

Wheel Loader 1 In-cab Chart



12 minutes ago (XR Network B0312205F9198E82)

Generator 2 Location



12 minutes ago (Gateway C1520080C103F7C)

Generator 2 Runtime



12 minutes ago (XR Network B0312205F9198E82)

Generator 2 Runtime Chart



12 minutes ago (XR Network B0312205F9198E82)

Mining

INCYT Track offers the mining industry a comprehensive solution for asset tracking, management, and optimisation. From asset visibility and enhanced safety, to optimised resource utilisation and remote site management, these cutting-edge, military-grade trackers and sensors, empower mining companies with the tools they need to thrive in this demanding sector.

Asset Tracking + Visibility

Mining operations involve extensive fleets of vehicles, machinery, and equipment spread across vast and remote sites. Our devices provide accurate location data and asset insights, granting mining companies precise visibility over their entire asset inventory. This enhanced tracking capability enables efficient asset utilisation, reduces downtime, and simplifies asset management.

Optimised Resource Utilisation + Inventory Control

Our trackers and sensors offer accurate data on equipment usage and material inventory levels. This information aids in optimising resource allocation, ensuring that companies have the right equipment and materials at the right time.

Geofencing for Enhanced Safety

Safety is a top priority in the industry, given the hazardous nature of mining operations. Our devices feature

geofencing capabilities, allowing companies to create virtual boundaries around high-risk areas or hazardous zones. If an asset enters or exits these designated areas, customisable alerts can be designed to trigger, enabling swift response and enhancing on-site safety measures.

Condition Monitoring + Predictive Maintenance

Maintaining mining equipment in peak condition is essential to avoid costly breakdowns and downtime. Our devices facilitate condition monitoring, the tracking of equipment usage, and provide data for predictive maintenance. By proactively scheduling maintenance tasks based on reliable data, businesses can optimise asset performance, reduce repair costs, and maximise equipment lifespan.



Fleet Management + Route Optimisation

Mining operations rely heavily on a fleet of vehicles and machinery to transport materials and resources. Our devices offer comprehensive insights into vehicle location, fuel consumption, and operational efficiency. This data enables companies to optimise routes, improve fuel efficiency, and streamline fleet management, ultimately contributing to cost savings and increased productivity.

Compliance + Environmental Monitoring

Mining companies must adhere to strict regulatory and environmental standards. INCYT can provide data on compliance with operational guidelines, ensuring that mining

operations meet industry regulations and minimise their environmental impact. This capability helps mining companies build a reputation for responsible and sustainable practices.

Remote Site Management + Connectivity

Many mining operations are situated in remote and challenging locations, making communication and data access a significant challenge. Our devices are designed to function in remote areas with limited connectivity, ensuring continuous data transmission and asset tracking even in harsh environments.



Insight from INCYT



The data generated by INCYT provides mining companies with realtime location and runtime data from both powered and unpowered assets. This information facilitates the optimisation of asset usage, improved decision-making and planning, early detection of bottlenecks, all contributing to improvements in operational efficiency.

– ADAM SCHINDHELM, CEO, INCYT





INCYT for the Mining Industry



Asset Location Alerts



Predictive maintenance



Compliance Aid



Entry/Exit alerts



Impact Monitoring



Multi-site monitoring

... and many more!

Shipping + Logistics

In shipping and logistics, assets such as cargo containers and delivery trucks play a pivotal role in the transportation of goods across the globe. Managing these assets efficiently and ensuring their security and timely delivery are paramount challenges for shipping companies. INCYT Track offers a powerful line of Asset Trackers that are specially designed to aid in asset tracking and management.

Container Visibility + Location Tracking

INCYT Track provides shipping companies with visibility into the location and movement of their cargo containers. These trackers offer precise location data, allowing logistics managers to track containers across the entire supply chain. Container visibility ensures better asset utilisation, reduces transit delays, and enables proactive decision-making.

Geofencing + Security Measures

Asset security is of utmost importance in the shipping industry. Our devices come equipped with advanced geofencing capabilities, enabling shipping companies to define virtual perimeters around specified areas. If a container moves outside these designated boundaries,

customisable alerts can be set and triggered, allowing swift response to potential security breaches and minimising the risk of cargo theft.

Temperature + Environmental Monitoring

Certain cargo, such as perishable goods or sensitive materials, requires specific environmental conditions during transit. Our devices offer temperature and environmental monitoring features, ensuring that containers maintain the desired conditions throughout the journey. Customisable alerts are available, enabling timely intervention and safeguarding the quality of the cargo.



Impact + Shock Detection

In transit, containers may encounter rough handling or impacts that can potentially damage the cargo inside. Our devices are equipped with impact and shock detection capabilities, providing customisable alerts in case of any significant shocks or impacts. This proactive monitoring helps identify potential risks to the cargo's integrity, allowing shipping companies to take necessary measures to prevent damages.

Documentation + Compliance

Shipping and logistics involve extensive documentation and compliance requirements. Our devices help streamline these processes by integrating data recording and compliance tracking

capabilities, assisting particularly with the growing demand for traceability. This ensures accurate and timely reporting, minimising administrative burdens and improving regulatory compliance.

Predictive Maintenance + Container Lifecycle Management

Maintaining containers in optimal condition is essential to prolong their lifespan and reduce maintenance costs. Our devices facilitate predictive maintenance by monitoring container conditions and usage patterns. With insights into container wear and tear, shipping companies can schedule maintenance proactively, prolonging container life and reducing operational downtime.





Asset Path
Tracking



Fragile Goods
Monitoring



Run-time
Monitoring



Impact
Monitoring



Multi-Asset
Monitoring



Optimise
Travel Routes

INCYT for Shipping + Logistics

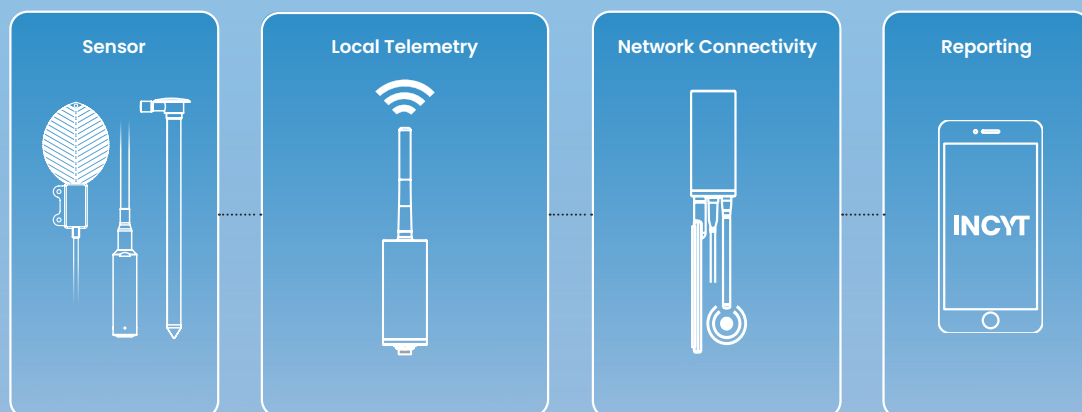


Agriculture

INCYT have their very own AgTech brand, INCYT Agriculture. INCYT Agriculture have created technology that senses, collates, reports, and visualises valuable on-farm data, all into one place – The INCYT App.

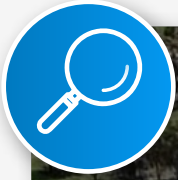
From the devices you install in field and their connectivity solution, to the reporting application and the dashboards you'll see on the INCYT App, INCYT Agriculture is your one-stop shop for smart agriculture deployment.

The INCYT Agriculture Product Ecosystem consists of a wide range of Smart Sensors powered by our very own award-winning telemetry device, the Blue Node. These Smart Sensors report their data to the INCYT App, communicating over an available IoT network.



INCYT Track work closely with INCYT Agriculture in this space to address the asset tracking requirements of primary producers.

We know that in modern agriculture, efficient management of farm machinery is crucial. Our asset trackers provide customisable tracking of agricultural equipment, allowing farmers to monitor usage, location, and maintenance needs. By proactively scheduling equipment maintenance based on usage data, farmers can minimise downtime and prolong the lifespan of their machinery, ensuring uninterrupted farming operations.



Client Spotlight: Longerenong College

"The guys have been great to work with . . . we've been able to have really open conversations about what we're doing here and we've always been able to make sure that we get exactly what we want in terms of products. The fact that they could provide us with pretty much everything that we wanted, and we could do it all on the one network and it can be all displayed on the one dashboard, without any problems, that's been a big benefit the data Farm as well."

**Bryan Matuschka, Former Manager
Longerenong Data Farm**

Weather Station



SSW 50km/hr



3mm
rain since 9am

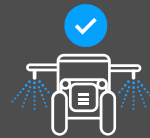


10°C



57%

Spray Conditions

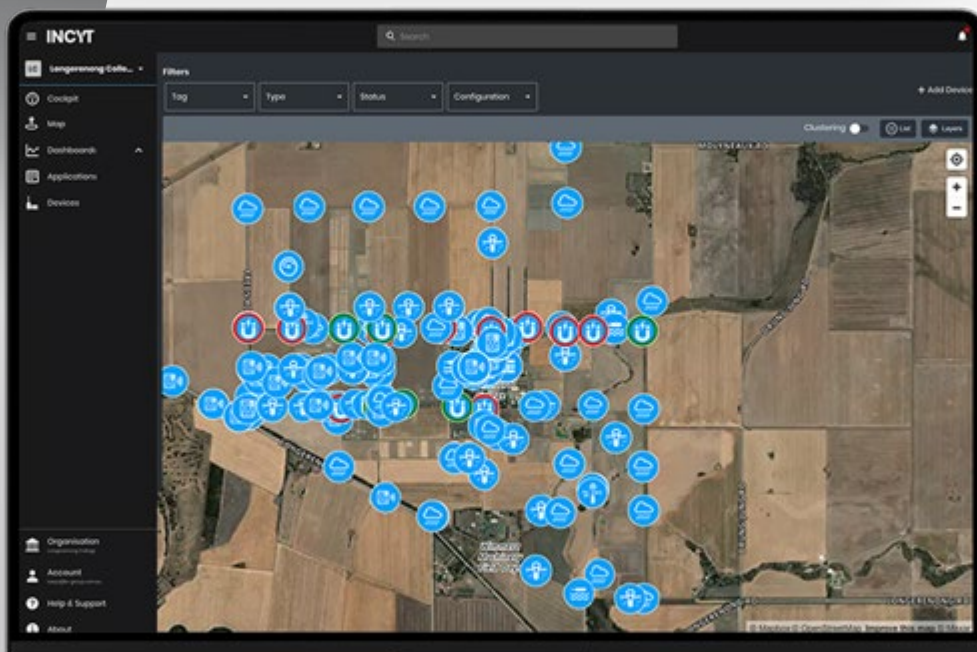


marginal conditions

Location



36°39'59.98" S
142°18'15.12" E

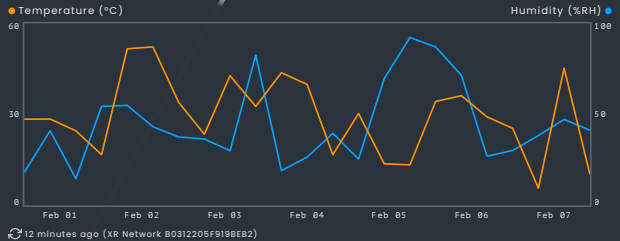




Spray Rig Location



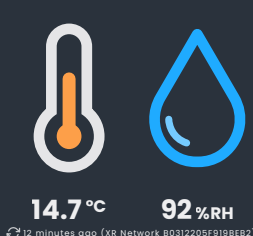
Spray Rig In-cab Chart



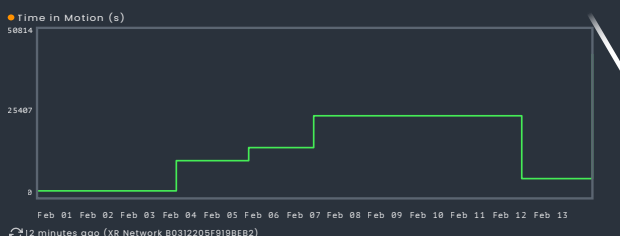
Hay Storage Shed 1



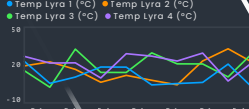
Spray Rig In-Cab



Generator 1 Runtime Chart



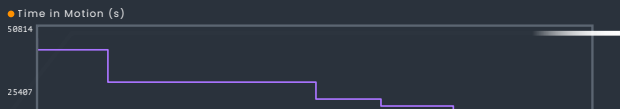
Hay Storage Shed 1 Chart



Generator 1 Runtime



Generator 2 Runtime Chart



INCYT for the Agricultural Industry



Customisable
Alerts



Condition
Monitoring



Theft
Monitoring



Route
Optimisation



Multi Site
View



Predictive
Maintenance

... and
many
more!

Apiary

In beekeeping, the well-being of bee colonies is crucial for pollination, honey production, and ecological balance. To ensure the optimal health and productivity of bee hives, beekeepers require accurate monitoring and timely interventions. INCYT Track offer a specialised line of trackers and sensors designed to revolutionise bee hive monitoring.

Internal + External Hive Monitoring and Environmental Insights

INCYT empowers beekeepers with accurate hive monitoring and environmental insights.

Our devices are equipped to measure temperature, humidity, and other vital environmental factors within the hive. Beekeepers can remotely access data on hive conditions, enabling them to assess hive health and address any issues promptly. The ability to monitor the hive environment in close to real-time helps beekeepers make informed decisions and implement appropriate hive management strategies.

Hive Weight + Honey Production Tracking

Monitoring hive weight is an essential aspect of beekeeping. INCYT Track features weight sensors that accurately measure hive load. This information provides beekeepers with valuable insights into honey production, nectar collection, and hive population dynamics.

By tracking hive weight, beekeepers can identify peak honey production periods, predict swarming events, and ensure optimal hive management.

Swarm Detection + Prevention

Swarming is a natural behavior of honey bees, but it can lead to the loss of valuable colonies. Our devices with swarm detection capabilities help beekeepers identify potential swarming events. The trackers analyse hive data and provide early warnings, enabling beekeepers to take preemptive measures to prevent swarming, such as hive splitting or queen rearing.

Security + Theft Prevention

Bee hives are vulnerable to theft and vandalism, especially in remote apiaries. Our devices can offer enhanced security measures, including geofencing capabilities. Beekeepers can create virtual boundaries around apiaries, and if a hive is moved outside the designated area, instant alerts are triggered.



Optimised Hive Management + Resource Utilisation

INCYT can aid in optimising hive management and resource allocation. By accessing accurate data on hive conditions and productivity, beekeepers can make data-driven decisions to allocate resources efficiently. This includes managing hive locations, monitoring honey flow, and planning hive maintenance effectively.

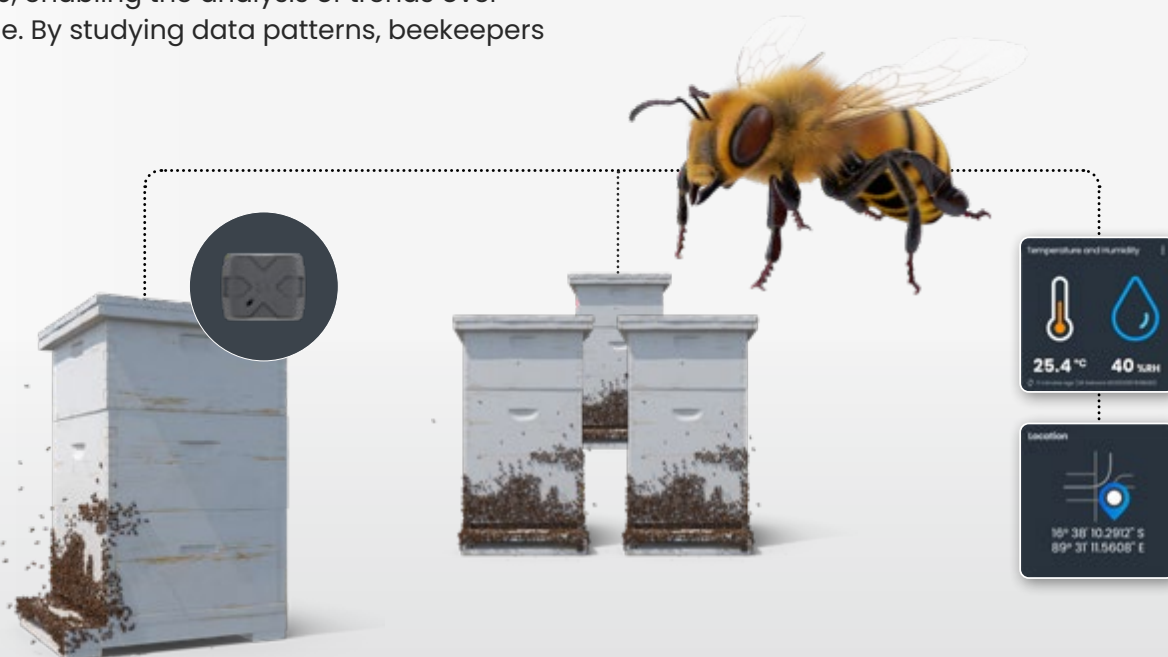
Data Analytics + Historical Trends

Collect and store historical data on the INCYT App, enabling the analysis of trends over time. By studying data patterns, beekeepers

can identify seasonal fluctuations, assess the impact of environmental changes, and develop strategies for sustainable hive management.

Remote Monitoring + Alert Systems

Remote monitoring is invaluable, especially for beekeepers managing multiple apiaries or during off-site operations. INCYT Track provides a user-friendly App interface that allows beekeepers to monitor all hives from a single platform. The trackers also send customisable alerts in case of critical hive condition changes, ensuring timely responses and rapid interventions.



Client Spotlight: LB Agtech

"INCYT's connectivity solution has truly been a game-changer for us. In the vast expanse of beekeeping activities, responding swiftly and effectively was a challenge until we encountered INCYT.

Our partnership with INCYT has led to tangible results. Through their connectivity solutions, we've not only generated real business revenue but have also laid the foundation for a stronger, more innovative business model."

LB Agtech

Ray Kwon – Founder, Chief Commercial/
Strategic Officer, www.lbagtech.com



Monitor Hive
Health



Harvest
Monitoring



Hive
Biosecurity



Environment
Monitoring



Theft Alerts



Orientation
Monitoring

... and
many
more!

INCYT for the Apiary Industry





INCYT

Search...

Cockpit

EDIT

Site 1 Full Map Geofence



Site 1 Weather Summary



10 °C

TEMPERATURE



4.21 °C

17.37 w/sqm

UV INDEX 2



10 mm

RAIN 9AM+



0 kmph

WIND SPEED



SE

DIRECTION



56 %RH

HUMIDITY

12 minutes ago (XR Network B0312205F919BEB2)

Hive 1 Condition



14.7 °C

12 minutes ago (XR Network B0312205F9B2)



92 %RH



17.7 °C

12 minutes ago (XR Network B0312205F9B2)



90 %RH

Hive 1 Quarantine



Hive 2 Quarantine



Hive 3 Quarantine



Wildlife Tracking

Tracking and monitoring endangered species are vital for understanding their behaviours, habitats, and overall health. Animals such as Koalas, an iconic symbol of Australia's unique biodiversity, face numerous threats to their survival. To safeguard these beloved marsupials, INCYT Track offers a specialised line of devices designed to revolutionise wildlife tracking applications.

Wildlife Monitoring + GPS Tracking

Our devices provide wildlife researchers and conservationists with valuable monitoring capabilities. Equipped with advanced tracking technology, these devices offer precise location data, enabling researchers to track animals, such as koalas, in their natural habitats.

Accurate monitoring is essential for understanding movements, behaviours, and interactions with their environment, helping conservationists make informed decisions to protect their habitats.

Habitat Mapping + Analysis

Koalas rely on specific eucalyptus tree species for food and shelter. Our devices assist in habitat mapping by analysing koala movement patterns and identifying preferred tree species. This data allows conservationists to create detailed habitat maps and develop targeted conservation strategies to ensure the availability of suitable habitats for koalas.

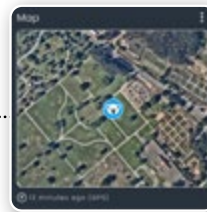
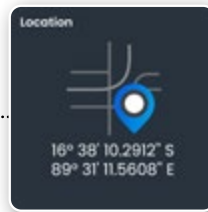
Public Awareness + Education

INCYT plays a role beyond data collection; our devices also contribute to public awareness and education. By sharing the fascinating journeys of wildlife, conservationists can engage the public and inspire support for wildlife conservation efforts. The data collected from these trackers can be used to create educational content and raise awareness about the importance of preserving habitats.

Data Analysis + Collaboration

Our devices facilitate data analysis and collaboration among researchers and conservation organisations. The collected data can be analysed on the INCYT App to gain deeper insights into animal behaviour and ecology. Additionally, sharing data across networks allows for collaborative efforts and the development of more comprehensive conservation strategies.





Client Spotlight: Endeavour Veterinary Ecology

"The K-Tracker (Cygni for koalas) has revolutionised the way we manage and recover at-risk and declining koala populations, and has been an integral tool in the recovery of important koala populations in Queensland.

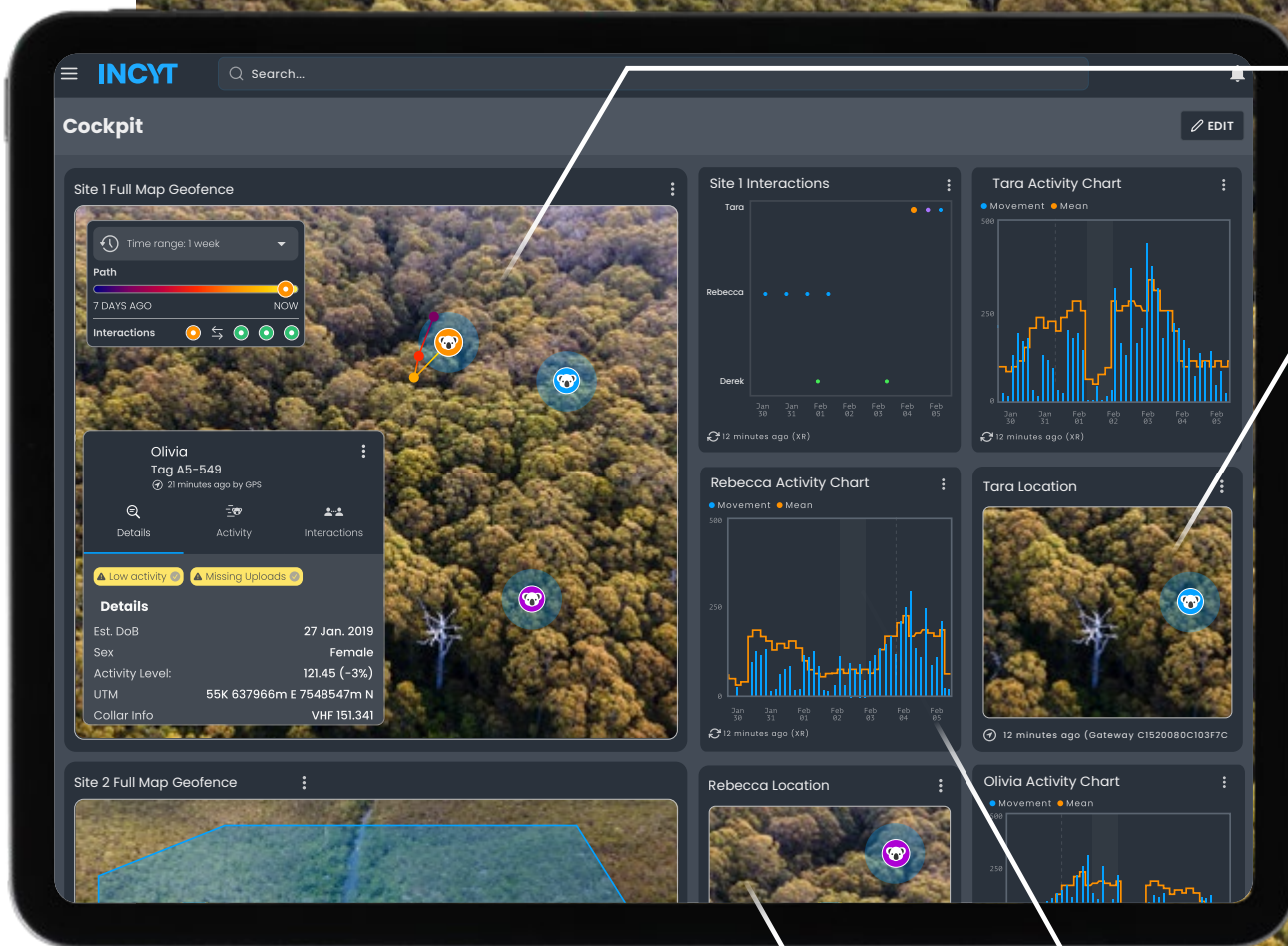
The K-Tracker now represents the best-practice technology in koala population monitoring and recovery and is deployed from Kangaroo Island in SA to central north Queensland.

The core of the K-Tracker system is the Cygni tag - a sophisticated GPS and bio-telemetry tag that allows near-real-time monitoring of koala location, movements, activity and interactions. The LoRa communications system allows the tags to be remotely configured while deployed on koalas, allowing GPS fix and upload frequencies to be changed on the run.

The user interface is equally sophisticated, allowing users and clients to view data anywhere in the world, on laptops, tablets, smartphones and desktops, with a user-friendly and intuitive dashboard."



Jon Hanger, Director
www.endeavourvet.com.au



INCYT for Wildlife Tracking



Habitat
Mapping



GPS
Tracking



Heat
Mapping



Activity
Monitoring



Education



Collaborative
Opportunities

... and
many
more!

Notes

[illegible]

[illegible]

