

Myriota

The Internet of Things (IoT)

The background of the slide is a blue-tinted landscape featuring a range of snow-capped mountains in the distance, with a thick layer of white clouds in the foreground. The overall color palette is dominated by various shades of blue and white.

**A world made better through seamless
access to critical data, anywhere and
everywhere it's needed.**

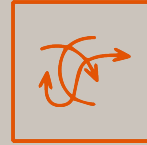
The Reality

90% of the earth's surface has no IoT connectivity.

Realising the potential of IoT is constrained by...



Concerns over security and integrity of data



Complex, fragmented solution architectures



High power demands



Expensive, slow and complex field deployment



Ability to identify, then realise clear ROI

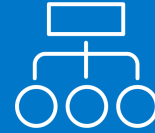
A satellite network built for IoT



Global coverage



**Uncompromised
security**



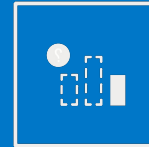
**Simple APIs for
integration**



**Low power
consumption**



Low cost deployment



Simple ROI

**We deliver tangibly better
outcomes for our
ecosystem, through simple,
affordable access to data,
anywhere.**

 **Myriota**

About Myriota

Connecting industry to opportunity

Direct to orbit connectivity for IoT

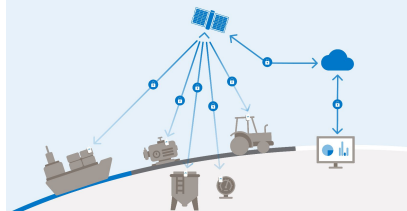
Established 2015

From the Institute for Telecom Research

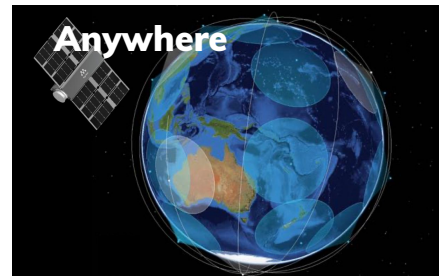
5+ years of field life on 2 AA batteries

- ✓ Simple
- ✓ Secure
- ✓ Affordable
- ✓ Efficient

Connect any "thing"



Anywhere



Strategic Investors across verticals



Global Operations

Expanding team

Growing market access

Foundational IP

24 Core Patents

Foundational

New space

Key Verticals



Defense



Utilities



Agriculture



Logistics

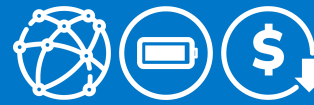


Environment



Maritime

Seamless connectivity in action



Myriota

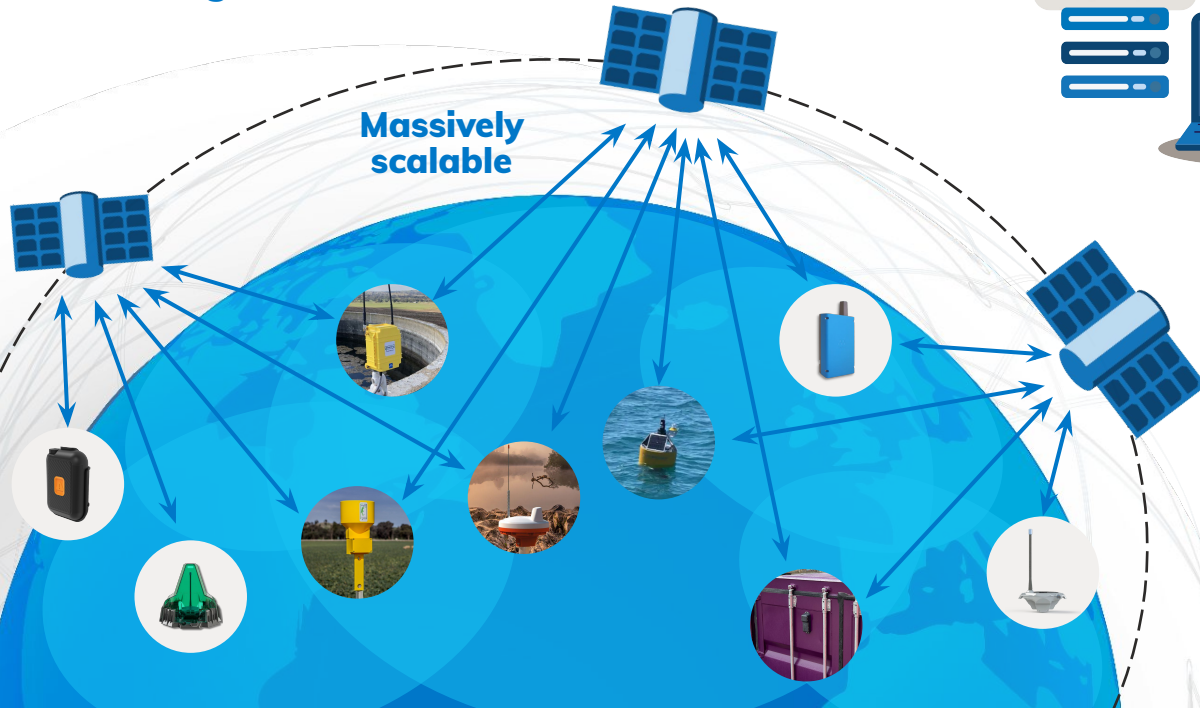
Satellite IoT System

End-to-end secure data

Pole to Pole Coverage

Massively scalable

Low power transmitters



Resilient. Low Power. Narrow Band Data.

Perfect for IoT applications.



Massive scale direct-to-orbit

Solved.



Myriota

IoT sweet spot

Low path loss
Low bandwidth

100's of kHz

VHF

UHF

L-band

S-band

Ku-band

Ka-band

→ more and more power required →

High bandwidth
High path loss
Weather affected
Large directional antennas
100's of MHz

Mega-constellations

Myriota satellite sees millions of devices with extremely weak signals.

This signal congestion problem is **almost impossible** to solve.

Myriota technology is required or the radio will fail.



500 - 2000 km

5000 km
Millions of devices

Secure. Private. Quiet. Zero Trust.

End-to-end
confidentiality

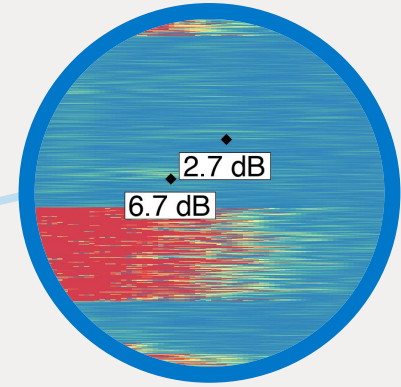
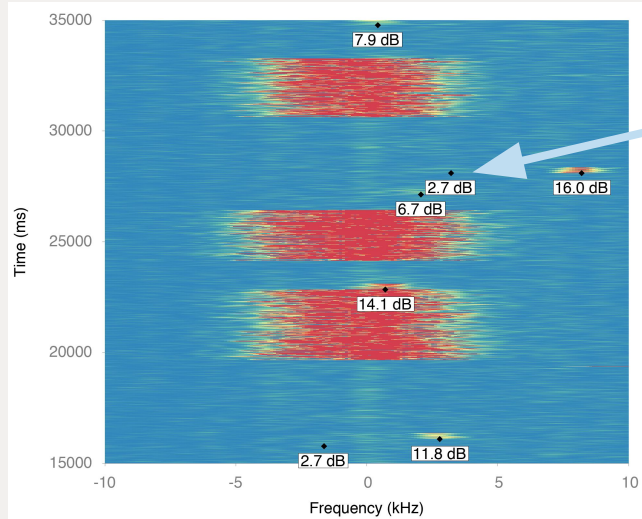
Private
- no plaintext ID

Forward Security -
OTA updates

Tamper, Forgery,
Replay detection

Low observability,
random in time
and frequency

Almost invisible signals



Low power
Long battery life
Low interference potential

Myriota solutions

Simple to validate. Fast to market

Validate

Validate use case and move quickly from testing to field trials with our developer toolkit.

Developer Toolkit USD\$600



→ Design

Design your product. Accelerate implementation with ready-to-go hardware and plug and play integration visualisation.

Module USD\$50
Sense&Locate USD\$350



→ Deploy

Deploy your devices, globally.

Data from USD\$1 per month



→ Impact at scale

Unlock digital transformation and impact at scale.



Unlocking a myriad of use cases



Utilities

Metering

Predictive Maintenance

Asset Monitoring

Compliance

Control



Agriculture

Tank Monitoring

Trough Monitoring

Dam Level Monitoring

Weather Sensor Monitoring

Pump Monitoring

Predictive Maintenance

Asset Monitoring & Tracking

Haystack Fire Monitoring



Logistics

Tracking

Telematics

Fleet management

Asset Monitoring & Tracking

Container Tracking

Supply Optimisation



Environment

Weather and climate

Groundwater

Emergency Services

Compliance



Maritime

Vessel Tracking

Commercial Fishing

Oceanography

Aquaculture

Unlocked use case

Myriota Ecosystem

Connecting resources. Collective learning. Creating value.



What's New

Start Here

FAQ

Tutorial: Set Up

Install the SDK
Prep Your Toolkit

Tutorial: Sending Messages

Send with Lab Mode
Send with the Real Satellite
Send with the Satellite Simulator

Tutorial: Retrieving Messages

Configure Your Destination
Retrieve Messages
Verify Using Message Injection

Tutorial: Assembly G Install

Code Examples

SDK Code Examples
Destination: HTTP
Destination: AWS Lambda

Message Queue

Technical Documentation

Myriota Sense&Locate

Device API

BSP API
Hardware Interface API
System API

Cloud API

Destination Management
Module Management

Customer Success

Build a best in class IoT solution with the aid of Myriota's technical resources and expertise.

Strategic Account Management

Strategic development cross-functionally and inter-organisationally.

Ecosystem Marketing Program

Collaborate with Myriota to amplify use cases and accelerate growth.



Moreton Bay Regional Council goes for satellite-connected smart water sensor:

IoT smart sensors remove need for manual checking of



GoannaAg and Myriota launch satellite sensors



18 Aug 2018, 10:46am

While many companies have promised a sensor-driven revolution for farms, they have often failed to deliver, simply because mobile service coverage across properties is often lacking, unreliable or expensive.



Alerting farmers to risk

Dr Broster and his team attached sensors to a stack and burnt it to mimic an arson attack.

They gathered data on how the fire spread so they could compare it to spontaneous combustion in silage bales they were monitoring.

"The temperature is really a symptom of what is going on with the moisture and its interaction with the sugar," Dr Broster said.

"So we're monitoring a symptom to see how that changes over time when the stack starts to combust."



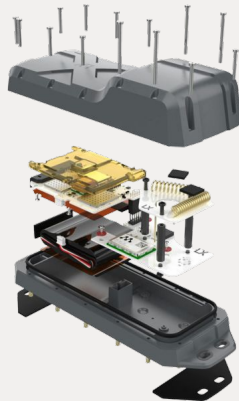
MYRIOTA IOT MONITORING PROJECT WINS ENVIRONMENT AWARD



INCYT by LX

“ The collaboration between the Incyt and Myriota teams on these new products came quite naturally. Myriota’s best in class satellite IoT connectivity was the best way for us to take our tracking product range to the next level. ”

Hugo Blanc, Chief Technology Officer
LX Group



Pain ❌

Geography and connectivity constraints

Cost, complexity and scalability of terrestrial connectivity solutions

Unplanned maintenance impacts revenue

Poor equipment utilisation affects asset ROI

Solution ✔️

➤ No job or location is too remote

➤ Low-cost, low power simple deploy and maintain

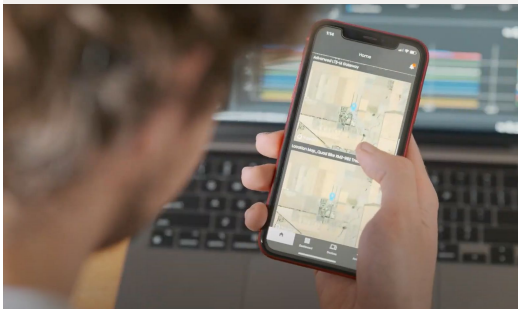
➤ Reduce equipment downtime

➤ Increase valuable asset utilisation

By partnering with Myriota:

Incyt is now able to offer reliable tracking in even the most remote environments.

The price point compared to traditional satellite enables a lower total cost of ownership that means assets can be tracked that would never have been tracked before.



Tank Monitoring Partners

AGBOT™



Pain ❌

Inefficient, expensive manual management

Cost, complexity and scalability of terrestrial connectivity solutions

Flying blind with unreliable knowledge of tank levels

Poor visibility puts cattle and crops at risk

Solution ✅

Remote monitoring and control of water

Low-cost, low power simple deploy and maintain

Informed decision making drives peak efficiencies

Alert function for greater piece of mind

By partnering with Myriota:

- ✅ 5+ years battery life
- ✅ USD\$1,576,192 saved over 5 years
- ✅ 69 tonne reduction in CO2 emissions



Resilient. Reliable. Now.



Today

Device Data
Commercial Grade Service

Next 6 months

More Data. Lower Latency.
Device Configuration

Next 12 months

More Data. Lower Latency.

Next 18 months

Near Real Time via Microgateway

↑
480B/
day

↓
100B/
day

4h
median
latency

↑
3kB/
day

↓
300B/
day

2.5h
median
latency

↑
10kB/
day

↓
1kB/
day

30min
median
latency

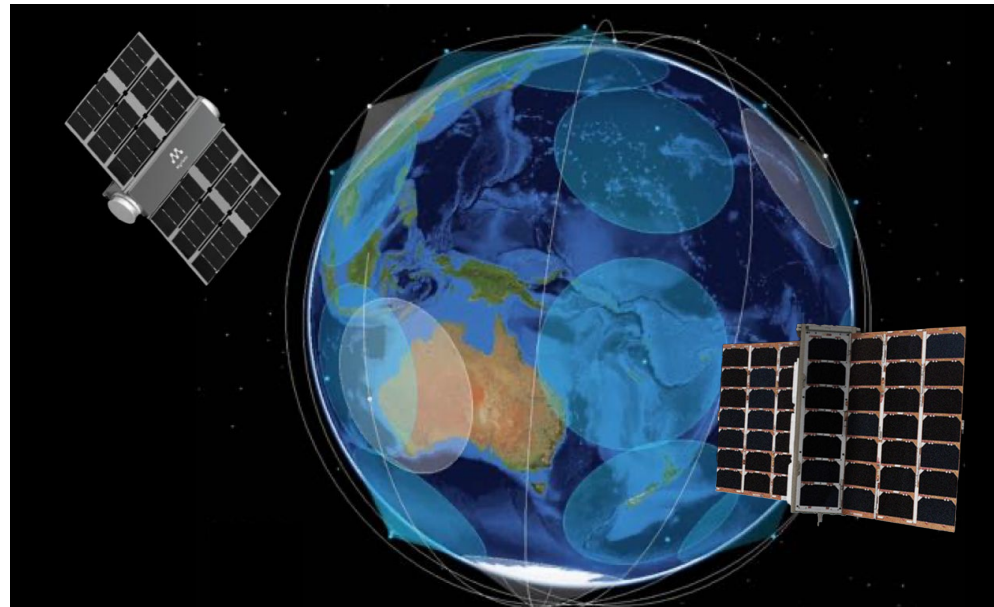
Anywhere & everywhere,
All of the time

Today

Resilient, global service
20 satellites in service

Progressive service uplift

Quarter on quarter enhancements
Sub 1 hour latency within 12 months
Near real time in 2024



Unlocking social change with Kanyini



Protect people and planet



Connect remote communities



Support sustainable agriculture



Boost industrial productivity

KANYINI

Myriota

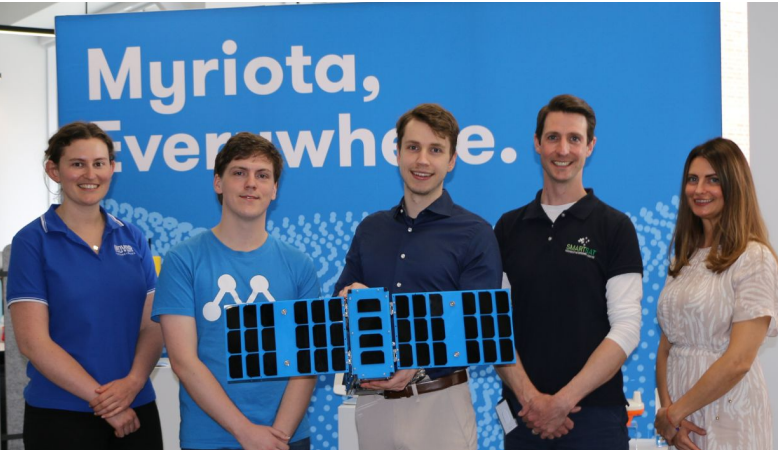
INOVOR TECHNOLOGIES

Government of South Australia

SOUTH AUSTRALIAN SPACE INDUSTRY CENTRE

SMARTSAT COOPERATIVE RESEARCH CENTRE

Business Operational Research Centre



Our values

**Think Big
Keep it Real
Simplicity Works
In it Together**

What will you connect?

enquiries@myriota.com

