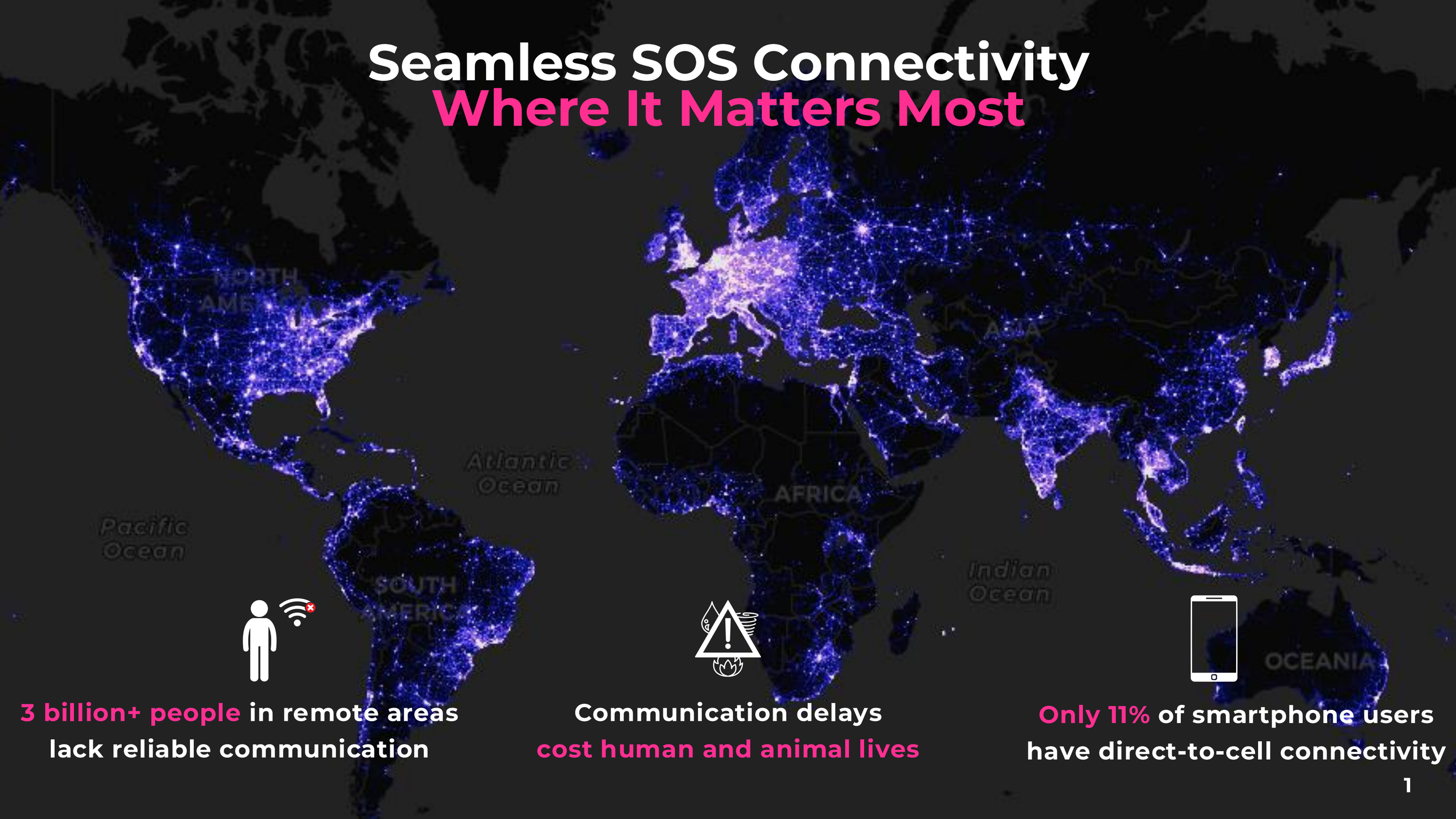
Accessible SOS connectivity powered by space

Namuun (Nami) Bold | CEO

ONDO SPACE

Seamless SOS Connectivity
Where It Matters Most



3 billion+ people in remote areas lack reliable communication

Communication delays **cost human and animal lives**

Only 11% of smartphone users have direct-to-cell connectivity

End-to-End Connectivity Ecosystem

1

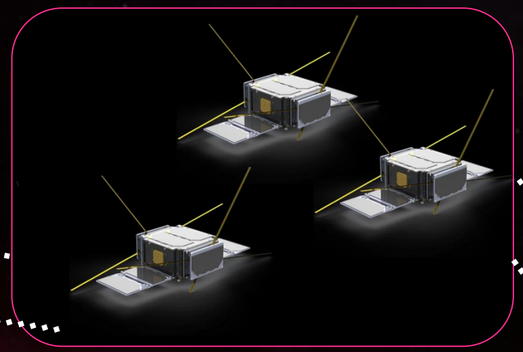
Travelers

Herdsmen

Emergency

User presses the SOS Button

2

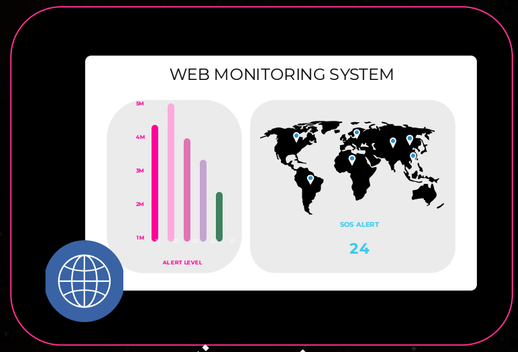


Signal relayed via ONDO's satellite constellation

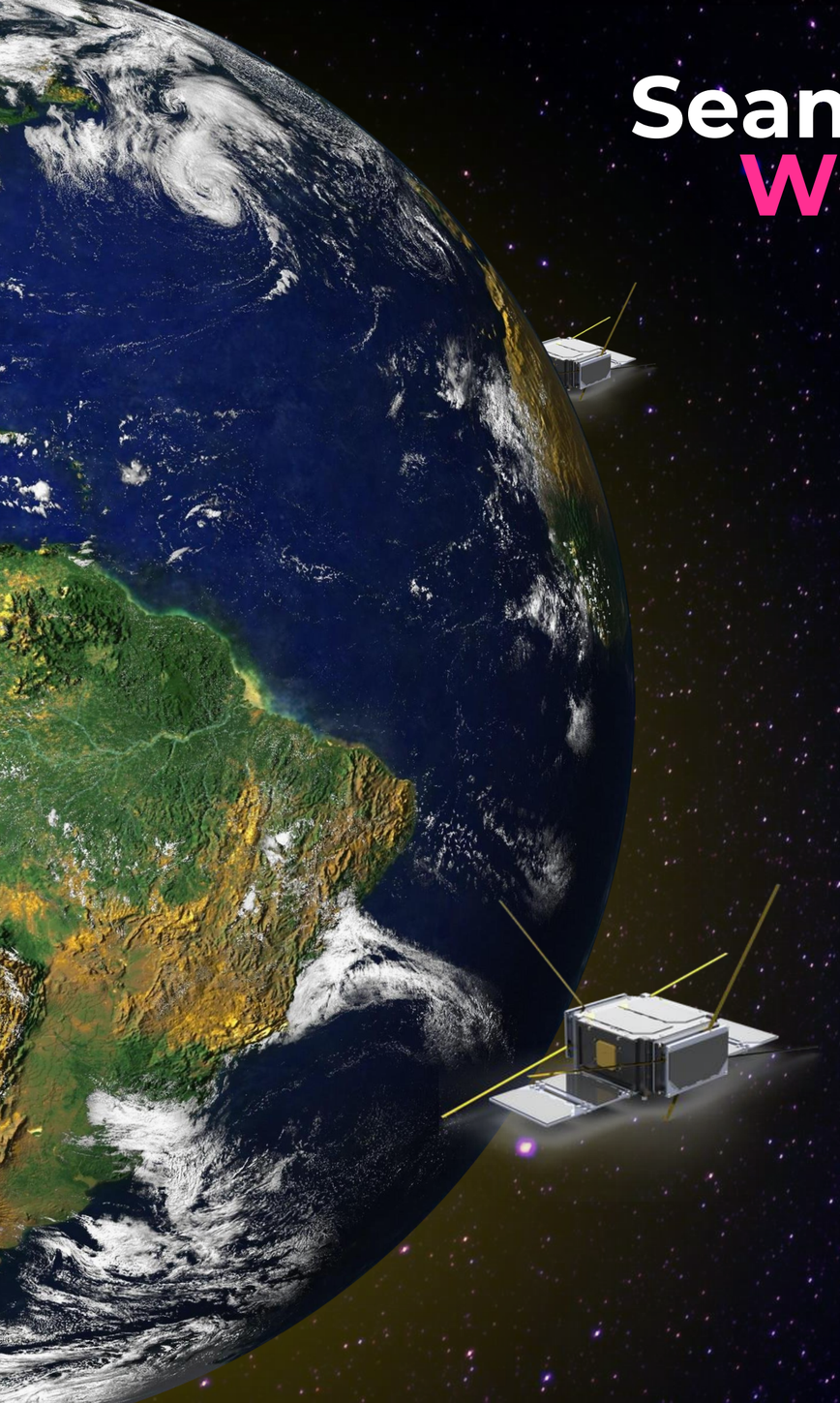
3

Ground stations receive the distress message

4



Real-time updates & rescue coordination



Seamless SOS Connectivity
Where It Matters Most

SOS messaging global market

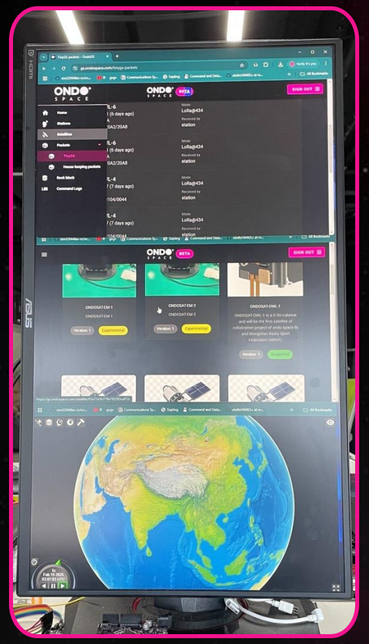
16B USD in 2024

69B USD by 2032

Traction & Progress

Web platform to monitor satellites and track devices

2023

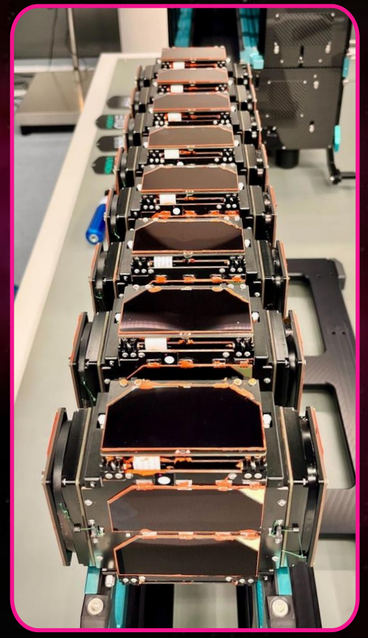


Fully automated & remote controlled ground station

2023

12 0.5U satellites launched. Mongolia's first

2024

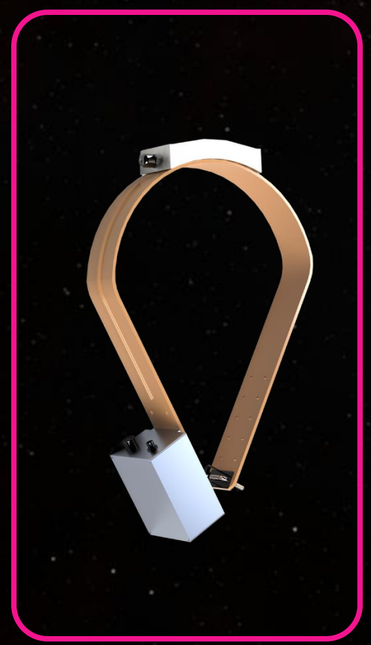


Affordable SOS messaging device

2025

Custom wild animal & livestock tracker

2025



Mobile application for SOS & Wild animal tracker

2025

Clients & Partnerships

Strategic partnerships with top Japanese technology universities

Client:
UNDP pilot project in Mongolia

Client:
Pilot project with global NGOs

How ONDO Space Stands Out

End-to-end integration

3.5x cheaper & faster satellites

Built in the emptiest country in the world

Durable devices for harsh environments

	ONDO Space	Direct-2-Cell	Spotter Gen3	Garmin Inreach
Device price	$100	$600*	$150	$400
Subscription Cost	Low	Moderate	High	Moderate
Mobile Required	No	Yes	No	No
Battery Life	1 Month	1 Day	14 Days	25 Days

*average smartphone cost

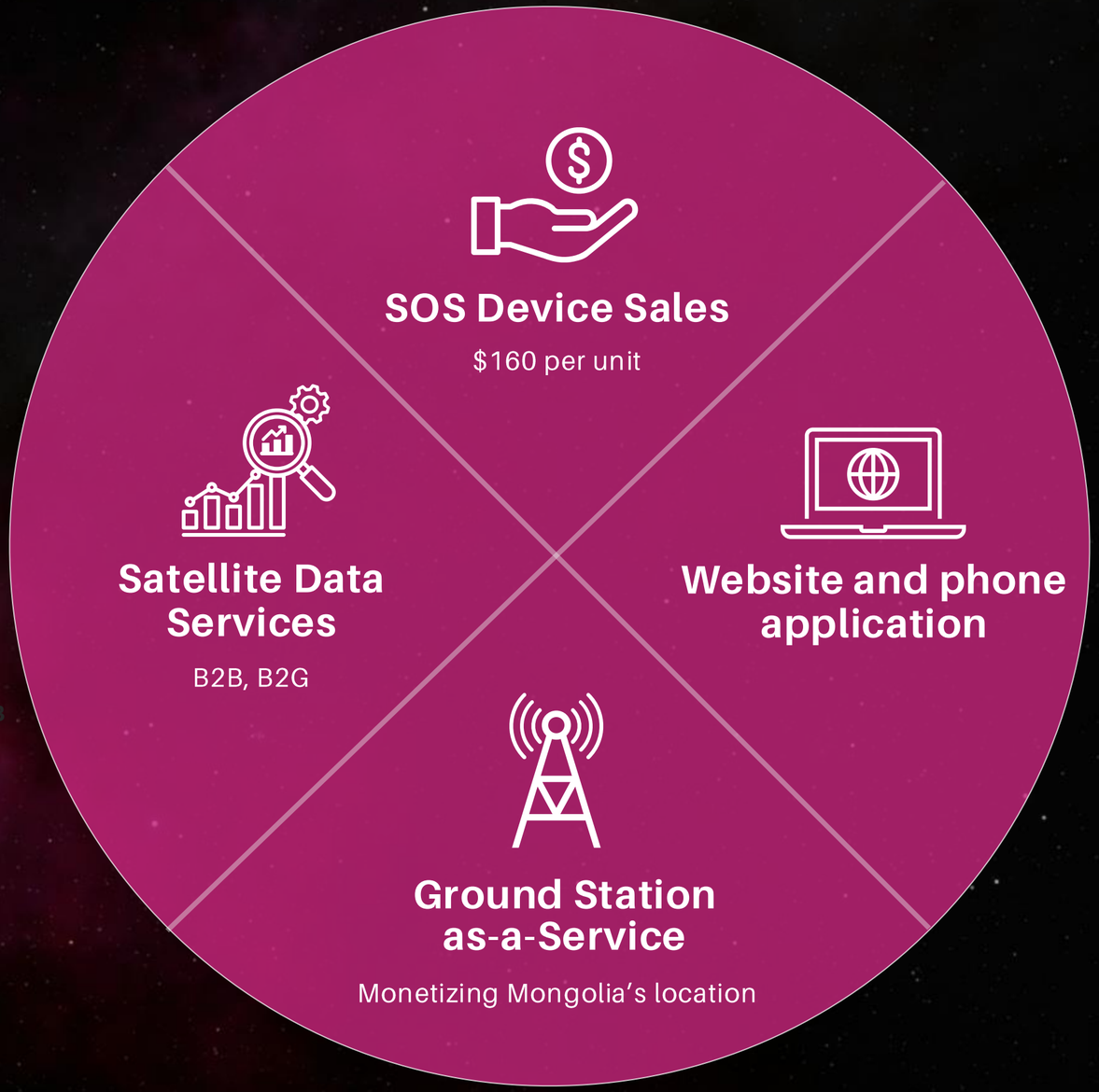
Integrated Revenue Model

Target costumers

Developing Country Governments
(Disaster response, border control)

Location bound business
(Mining, forestry, agriculture)

Citizens who live in remote locations



Network expansion plan to join the global movement

	2023	2024	2025	2026	2027	Total
IoT satellites (0.5 U)	*R&D*	12	25	52	87	176
Ground station	-	*R&D*	3	3	2	8
R&D in remote sensing satellites	-	-	R&D	2	5	7
Revenue	**-**	**-**	**$ 500K**	**$ 2M**	**$ 7M**	**$ 10M**

ONDO SPACE

Globally trained, deep-tech team of 11 engineers

CEO
Nami Bold

- AI Consulting Manager at EY US
- BSc Cornell University

CPO
Battulga Bayarsaikhan

- AI Senior Staff Software Engineer at Google US
- MSc Korean Advanced Institute of Science and Technology

CIO
Erka Dashdondog

- Associate Professor, National University of Mongolia
- Member of National Space Council of Mongolia
- PhD in Space Technology, Kyushu Institute of Technology

CTO
Amar Dagvasumberel

- Engineering Lead at Andorean
- PhD in Space Systems Engineering, Kyushu Institute of Technology

Cornell University Founded A.D. 1865

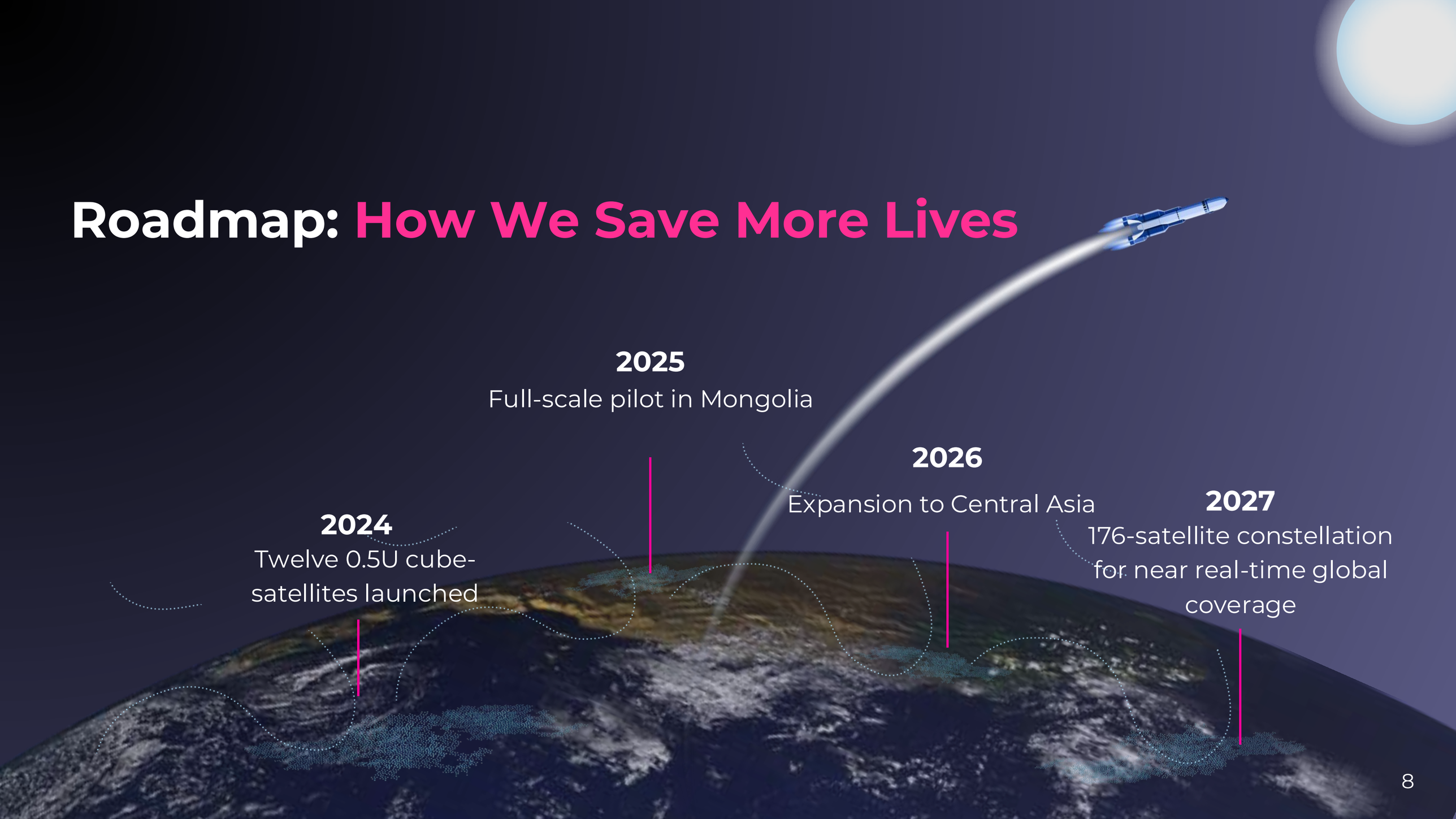
EY

KAIST 1971 Korea Advanced Institute of Science and Technology 한국과학기술원

Google

Kyutech Kyushu Institute of Technology

Roadmap: How We Save More Lives



2024
Twelve 0.5U cube-satellites launched

2025
Full-scale pilot in Mongolia

2026
Expansion to Central Asia

2027
176-satellite constellation for near real-time global coverage

Seed fundraising ask: 2.5 M USD

Produce upgraded SOS messaging devices

Build 3 new Ground Stations in Mongolia

Expand satellite network by ~25

R&D remote sensing satellites

Build an initial strategy & fundraising team in the US

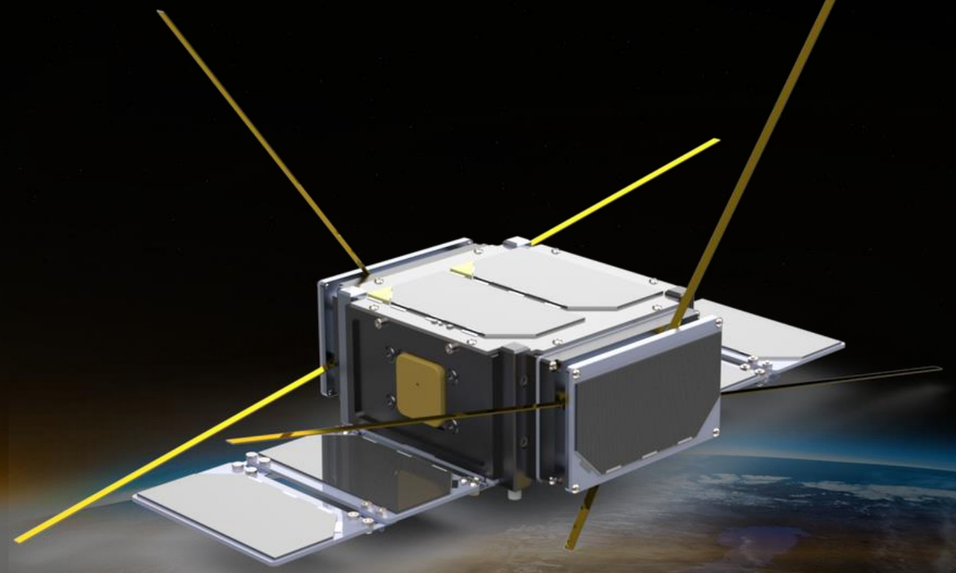
ONDO SPACE

Thank you

namuun@ondotechnologies.com

www.ondospace.com

Satellite technical specs



ONDO Space Communication module

0.9 kg weight

11W Solar panel power

Battery capacity, 10000 mAh

10cm x 10cm x 5 cm (Stowed state), 0.5U

GPS accuracy 3 to 7 meters

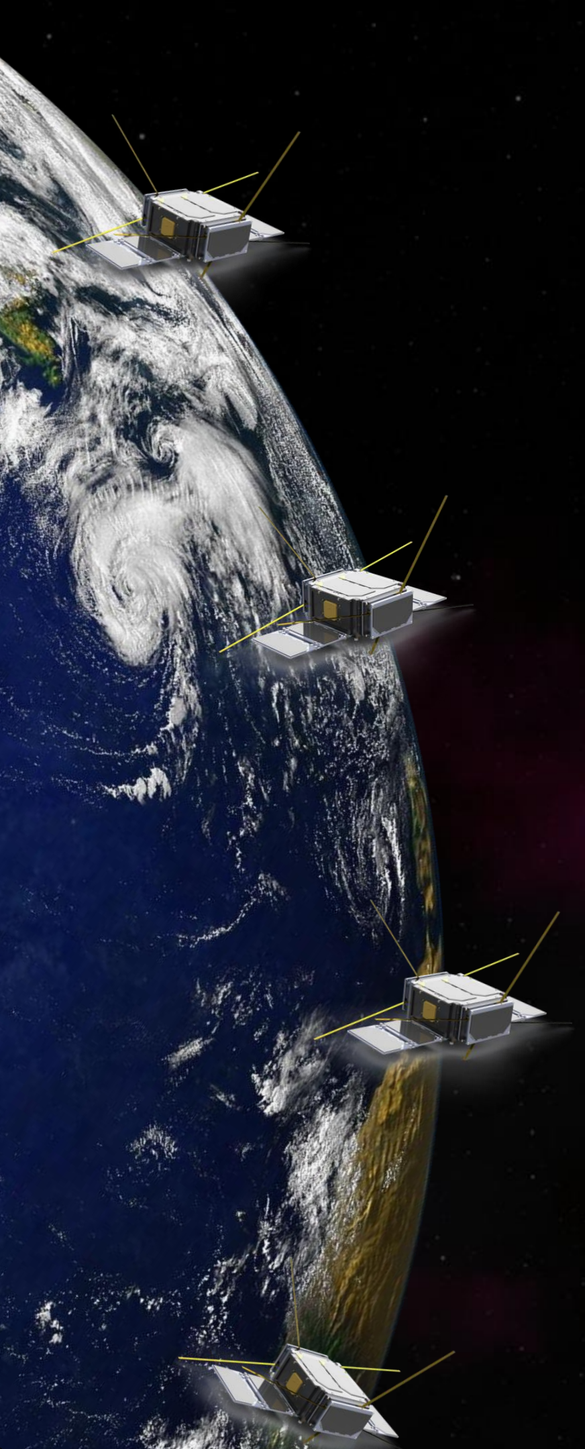
Low Earth Orbit, 550km from Earth

Different types of antenna

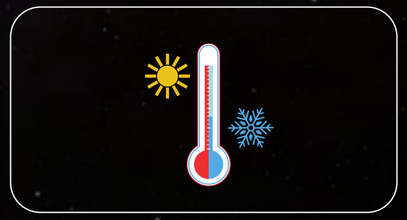
Operating Temp -40C to 65C

7.8 km/s speed

The ONDO SOS Messaging Device



-40C to +40C

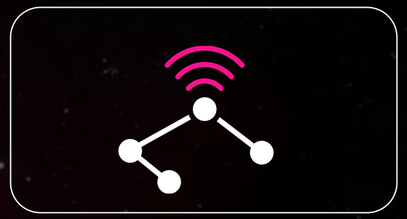


Performs in harsh weather

IP67

Resistant to dust and water

Communication



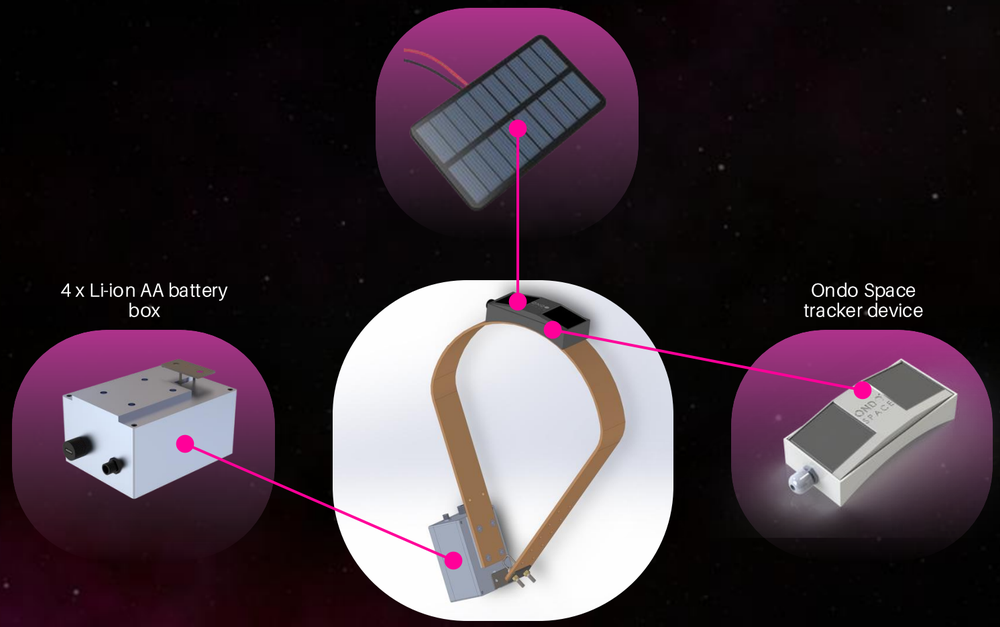
Integrated Connectivity

BLE, LoRa

Next-generation communication chips

Designed with space-grade technology in mind

Wild animal tracker



General information

- ONDO Space — Satellite module
- 4G — 4G & 3G Satellite Hybrid tracking
- Rechargeable 5V
- Battery capacity, 13400 mAh
- Headrest release mechanism
- GPS accuracy 3 to 7 meters
- 3 month battery life
- 3 types of antennas, GSM,GPS and Lora
- Operating Temp -40C to 65C
- Set transmit frequency

Sensor availability

- Environment temperature
- Animal speed
- Animal temperature
- Above mean sea level
- GPS location
- Movement & acceleration

Ground Station

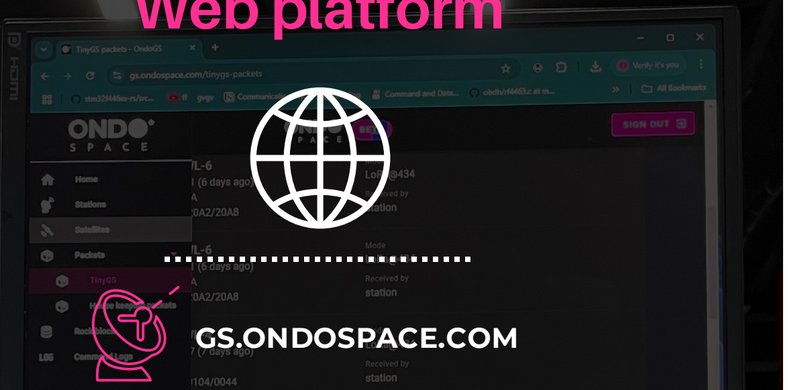
FULLY AUTOMATED GROUND STATION

The ground station can automatically connect to satellites, adjust radio frequencies and other settings, and autonomously organize the data received from satellites. It can also perform specialized functions in collaboration with our web platform.

REMOTE CONTROL

It is possible to configure the devices that connect to the satellite via the ground station remotely.

Web platform



GS.ONDOSPACE.COM

User: **ONDO S**pace Engineers

A web platform that connects to the ground station, automatically retrieves satellite data, and enables signal transmission to satellites via the ground station.

TRACKER.ONDOSPACE.COM

User: SOS & Tracker device users

A system that collects data from satellites about ground devices, displays GPS location and additional information, and allows two-way communication by sending data back to the satellite via the ground station to reach ground devices.

SATELLITE.ONDOSPACE.COM

User: Accessible to everyone

A web platform that calculates satellite trajectories, including predicting when they will pass over Mongolia.

Mobile app

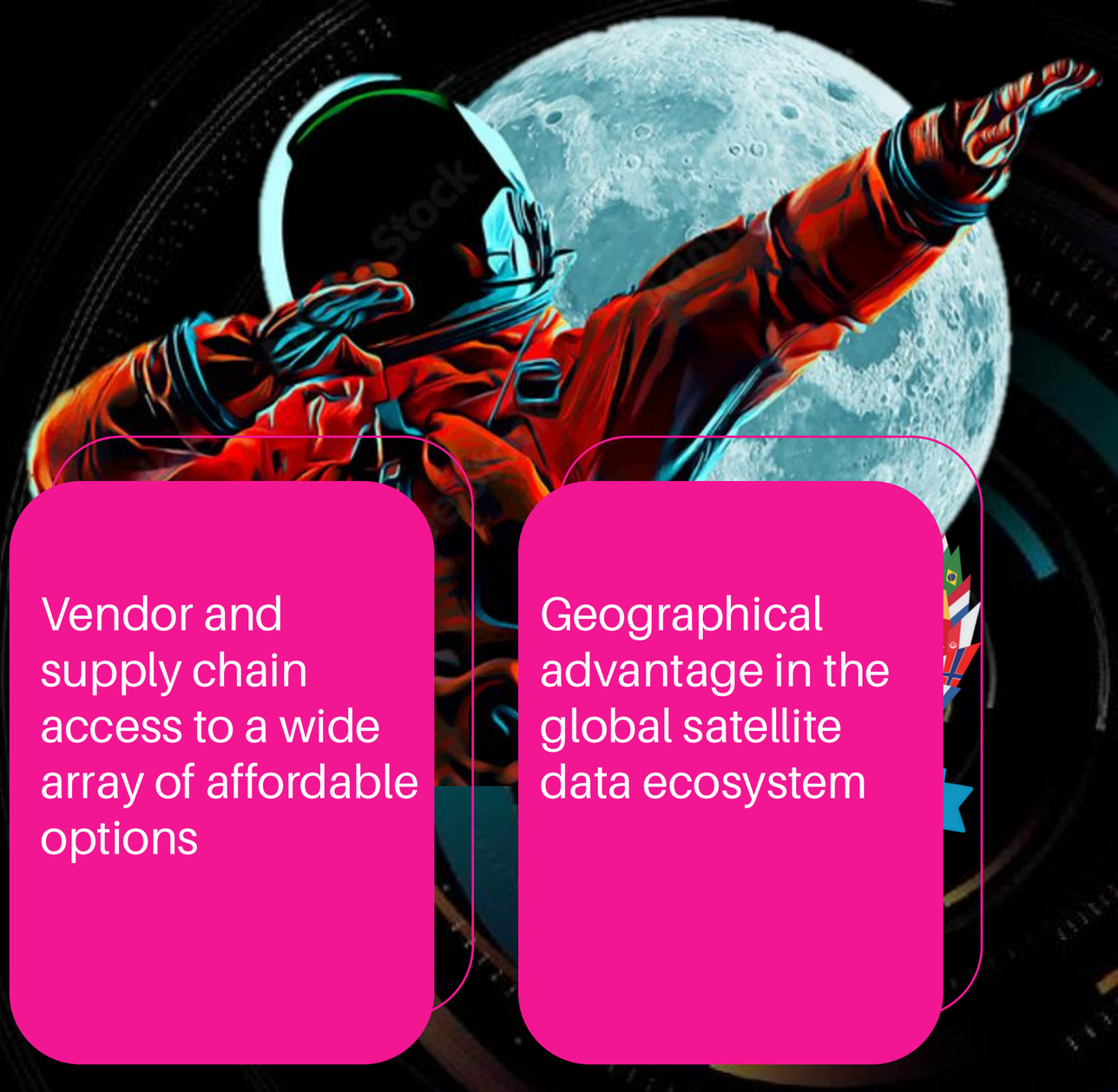
SOS DEVICE APP

A mobile application that connects to a SOS device via Bluetooth and allows users to send custom messages from areas without connectivity.

ANIMAL TRACKER APP

A mobile application designed to track and monitor animal locations, movement patterns and behaviors providing valuable data for wildlife conservation and research.

Uniquely Mongolian competitive advantage



Commercial friendly regulatory environment and strong government relations

Engineering innovation at our core. Mongolia’s top aerospace engineers under one roof

Vendor and supply chain access to a wide array of affordable options

Geographical advantage in the global satellite data ecosystem

ONDO SPACE

ONDO Space solves the industry's affordability issue

0.5U IoT satellite	Global average	ONDO Space
High cost of manufacturing	$70 K per satellite	$20 K per satellite
Slow end-to-end product lifecycle	8-18 months	2-6 months
Stringent regulatory environment	2-3 years	9 months

ONDO SPACE