

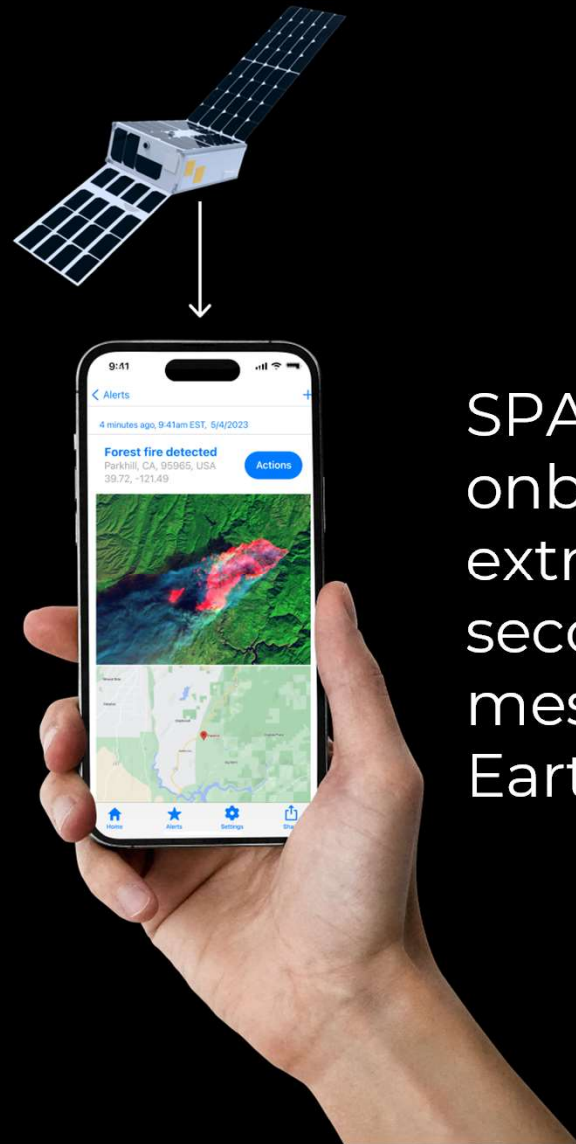


UBOTICA<sup>TM</sup>  
SPACE:AI

# Live Earth Intelligence

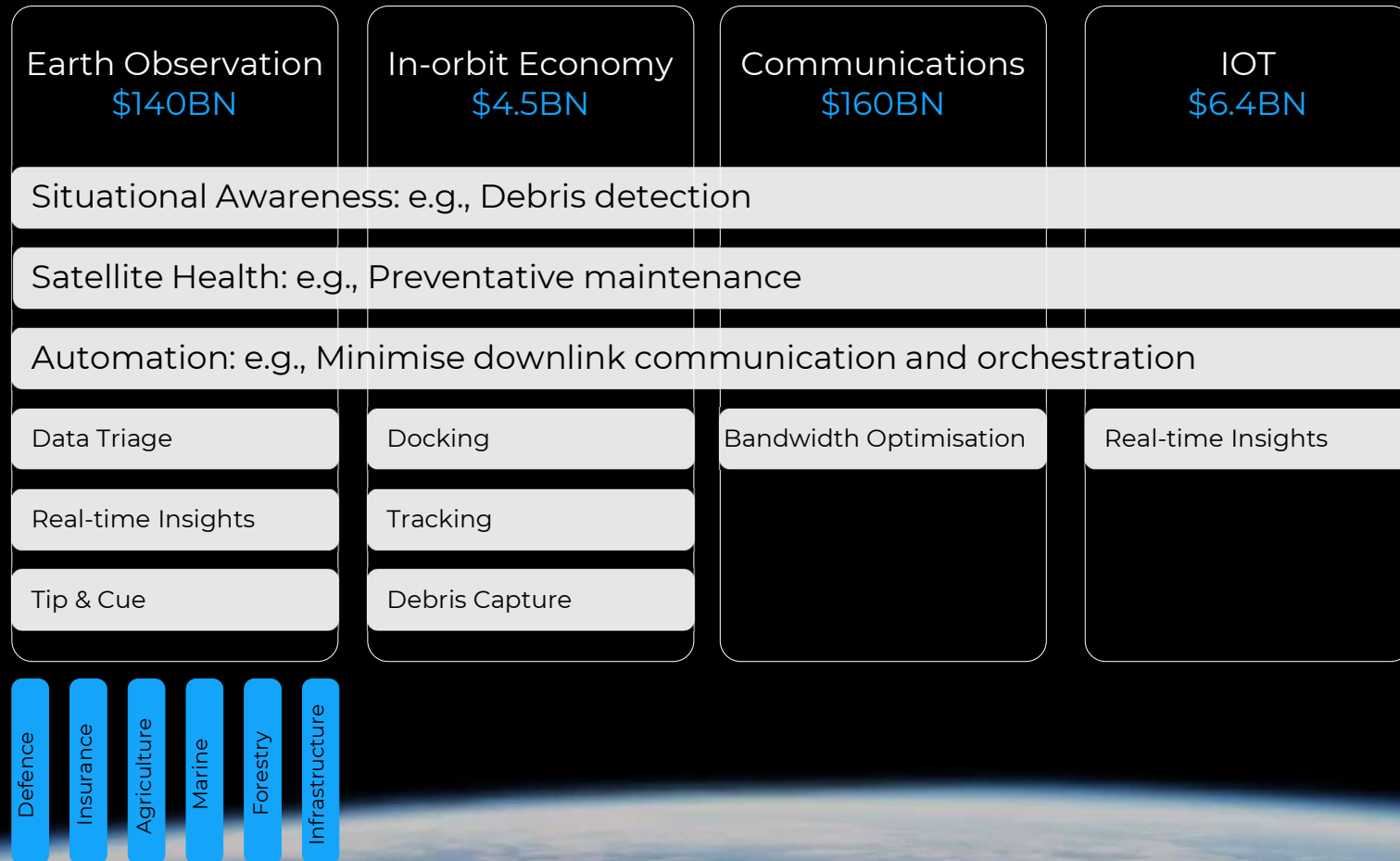
October 2023

SPACE:AI  
transforms satellites from  
Earth Observers into  
Live Earth Intelligence  
providers.



SPACE:AI  
onboard satellites  
extracts insights in  
seconds and instantly  
messages people on  
Earth.

# Market Opportunity: SPACE:AI



# Leadership Team - Pioneered AI Computer Vision



Fintan Buckley  
Co-founder & CEO  
Parthus, Trintech  
(2 Exits, 1 IPO)



Sean Mitchell  
Chairman & CCO  
Intel, Movidius, Parthus  
(2 Exits, 1 IPO)



John Bourke  
Co-founder & CFO  
Movidius, Glonav, Parthus  
(2 Exits, 1 IPO)



Dr. Aubrey Dunne  
Co-founder & CTO  
Movidius (1 Exit)



Brian Quinn  
CSO  
Intel



Dr. David Moloney  
Chief Scientist  
Intel, Movidius, Parthus  
(2 Exits, 1 IPO)

At Movidius, we pioneered high-speed, low-power Edge AI and Vision Processing Units.  
This expertise now drives Ubotica



Team of 35 based in Ireland, Spain, Netherlands, and North America

# SPACE:AI - Platform, Software, Ecosystem

SPACE:AI  
Solutions



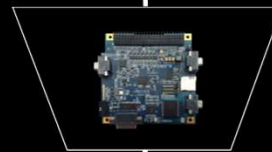
Deploy transformational AI solutions for EO, In-Orbit, Comms, or IoT.

SPACE:AI  
App Store



Easy for developers to develop and deploy Applications to satellites.

SPACE:AI  
Platforms



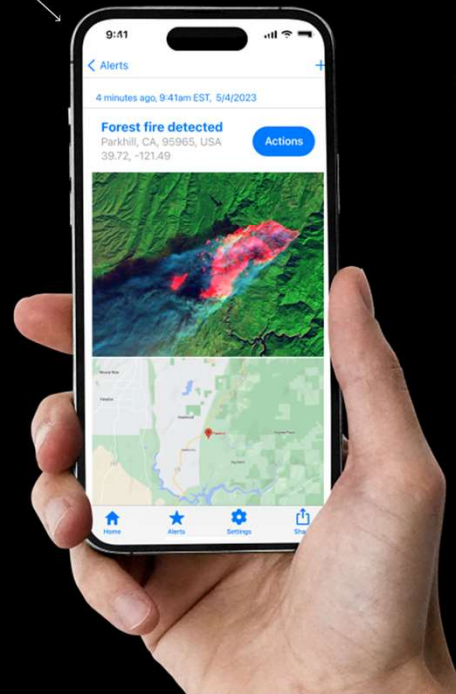
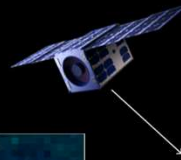
CogniSAT Edge-AI processing platform.





Do you know what this is? Find out in 60 seconds

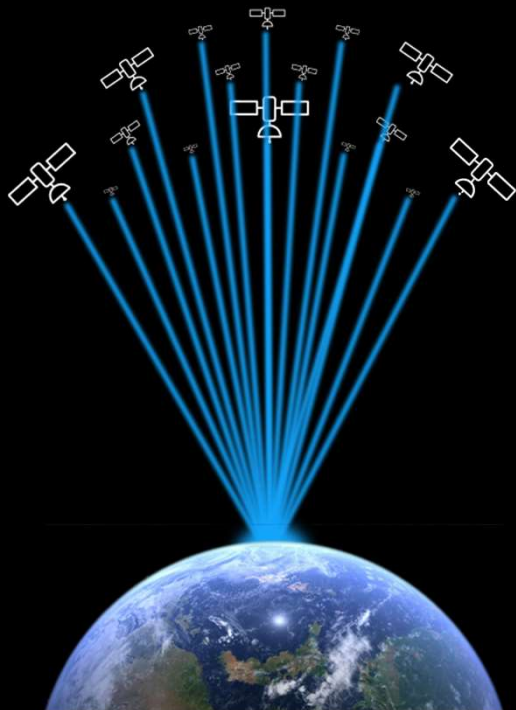
Satellite intermittently transmits raw files to Earth for batch processing into a human readable images.



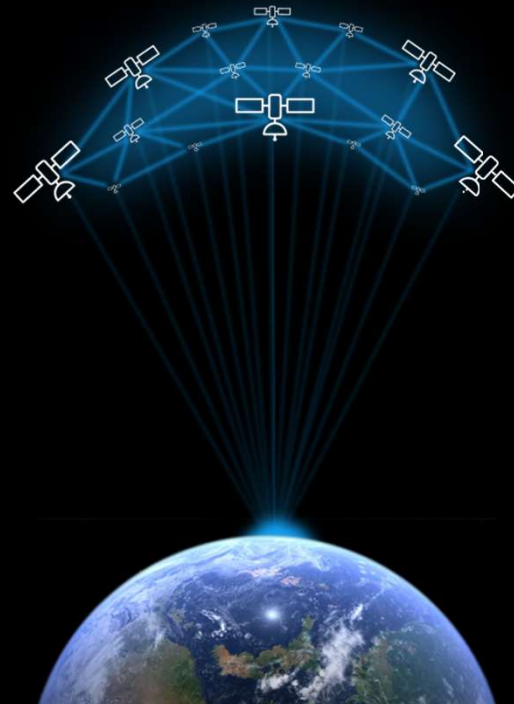
SPACE:AI extracts insights in seconds and instantly messages people on Earth.

# Space:AI Intelligence at the Edge

OLD  
Centralised Intelligence  
Simple satellites



NEW  
Edge Intelligence  
Smart satellites



Efficiency

Immediate ROI. 80% Opex reduction, 4X utilisation.

Autonomy

Increased automation, collaboration, and situational awareness.

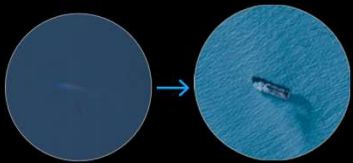
Live Earth Intelligence

Real-time analytics delivered to those who need insights instantly.

# CogniSat-6 Groundbreaking Mission - 1H 2024

Live Earth Intelligence from space

e.g. AI ship detection to instant user alerts



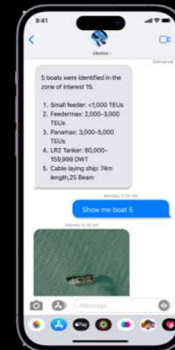
Autonomous mission operations scheduling

e.g. Autonomous on-orbit imaging scheduling



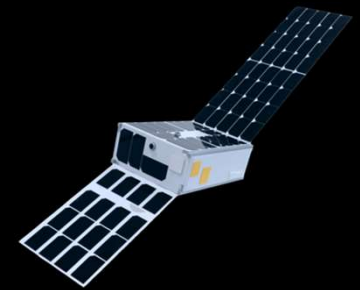
Message and manage satellite operations directly from your phone

e.g. Real-time messaging and management



Programmable On-orbit repurposing across missions

Change satellite missions in real-time





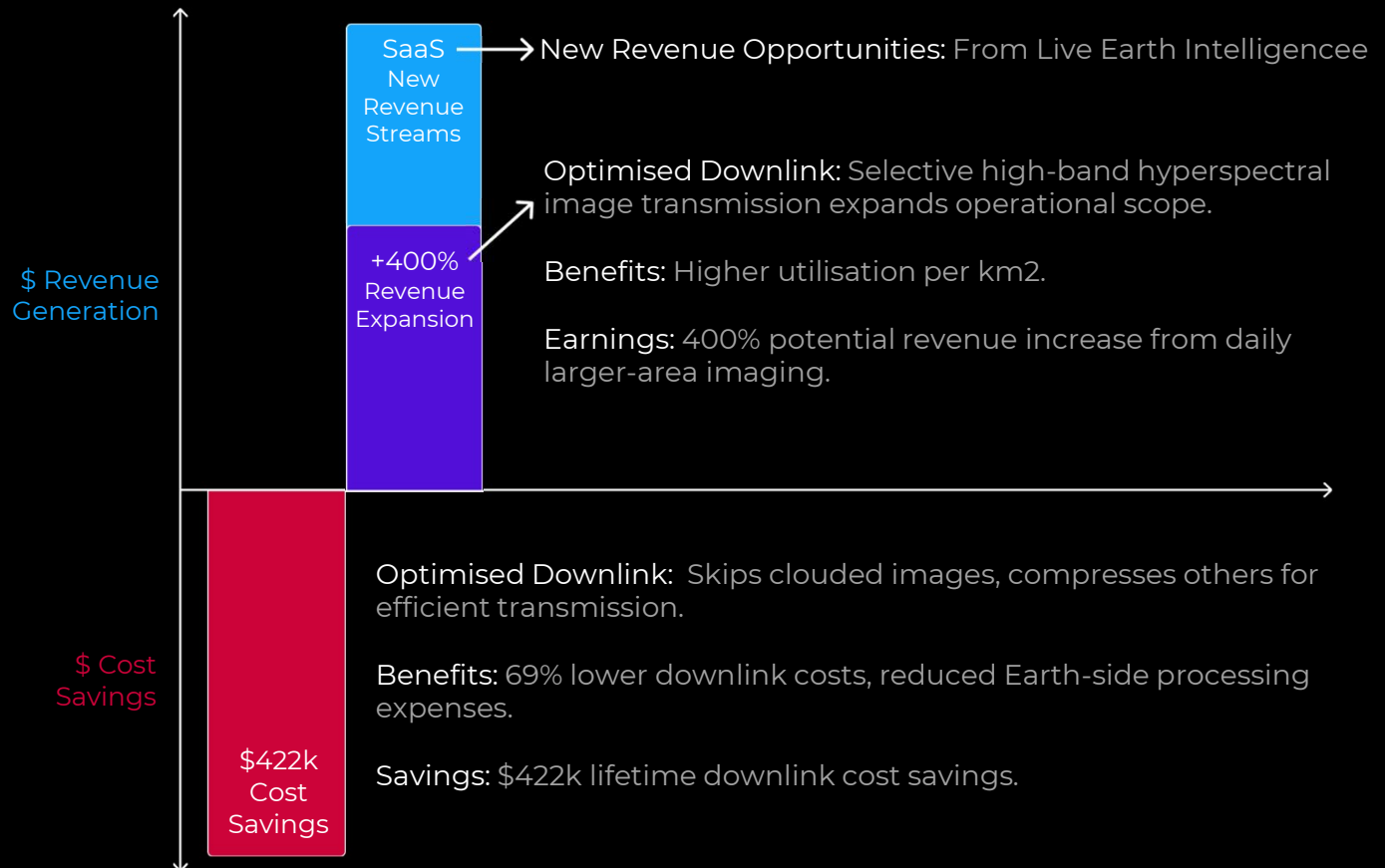
# Live Earth Intelligence Unit Economics

9 Month ROI, \$400k savings & 400% revenue expansion per satellite

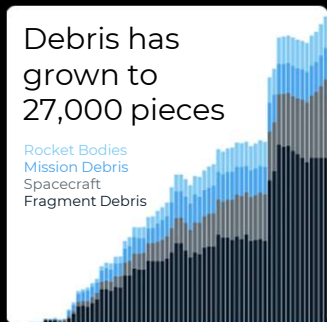
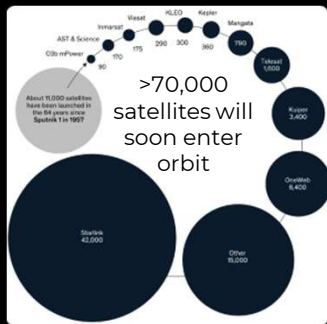
**Cloud Cover**  
70% of Earth is typically covered by clouds ... a waste of imaging resources.



**SPACE:AI - CRC Model**  
Ignores images with cloud cover and compresses the rest for downlink

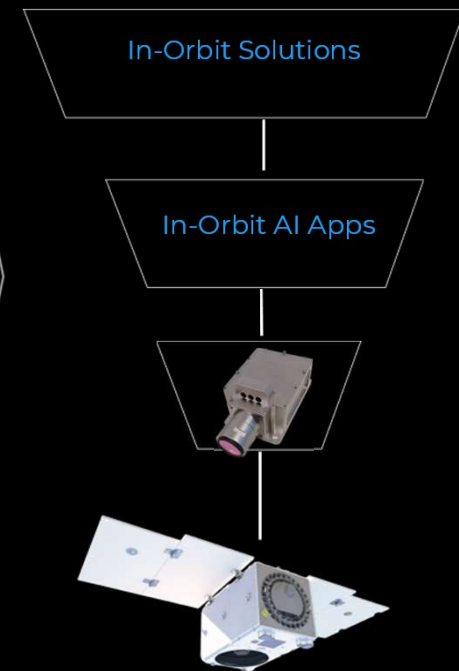


# SPACE:AI — Autonomous In-orbit Operations



- Collision Avoidance
- Debris Tracking and Removal
- Repositioning
- Refueling
- Lifespan Extension
- Inspection and Satellite Health
- De-orbiting
- Upgrading
- Assembly and Manufacturing

## SPACE:AI Camera Integrated SPACE:AI + Camera



A satellite with solar panels is shown orbiting Earth from space. The Earth's surface is visible, showing blue oceans and white clouds. The satellite is a small, rectangular object with two large solar panel arrays extending outwards. The background is the blackness of space.

UBOTICA<sup>TM</sup>  
SPACE:AI

# Live Earth Intelligence

October 2023