Kosmos Connect

Global Planetary Defense & Space Monitoring

By Transforming how humanity explores space, we are training next generation of guardians through democratizing access to astronomical observation data by celestial coordinates.

10 THINGS IN SPACE ASTRONOMY THAT WON'T CHANGE IN THE NEXT 10 YEARS

THE IMMUTABLE LAWS OF OBSERVATION

Atmospheric Effects Remain

Space needed to observe UV.X ray blocked by air

Transients Always Unpredictable

GRBs, supernovae and flares occur de lupity

Multi-Wavelength Always Required

Univese needs UV, Opticall iR¦ X-ray views

Solar Activity Needs Space Watch

Solar UV &-X ray energy only reached in orbh

Physics of Orbits Unchanged

SSO remains best for consistent sun pesitors

Long-Term Monitoring Needed

Variables, cycies, **exoplanets** read time

Precision Pointing is Critical

<1 arosec stability needed for good data

Calibration is Always Mandatory

Flatifelds, PSFs, and gairt.aways required

Data Volurne Growth Certain

Ai will remain assential to find new discoveries.

Human Curiosity Permanent

Desire to explore the universe is timeless,

The Problem:

Space is limited by access, Infrastructure, manpower and latency !

Space Science Limitation :

Scientists, Astronomers, Space enthusiast need to react quickly when something important happens in space, but current systems are slow and require people to jump in at the right time.

Nature and Ground Limitations :

Weather, clouds, light pollution, and the day/night cycle make it difficult to observe the sky from the ground. You can't always predict when conditions will be good.

Resolution/Latency Limitation :

Today's stargazing and space-watching systems use many different tools that don't work well together, causing delays and lower-quality results.

Access Limitations:

Most people lack telescopes, mentors, or dark sky marking significant Inequity for young Space Watchers.

Optical telescopes are primarily limited to night time

Sovereignty & Trust Gaps :

Many countries rely on foreign observatories, which can create policy, security, and trust concerns.

Kosmos Connect is where stargazing meets modern technology as solutions enabling amateur astronomers, students, researchers, and ssa operators to stream near real time observations wherever, whenever by booking orbital telescope time.

The Solution

Kosmos Connect Live 1.0
(Direct Access Whenever, Wherever)

Nano-Observatory-as-a-Service

A VR immersive real-time observatory built on AWS

Space Segment

6U-12U satellites equipped with Optical/UV telescopes

Ground Segment

Global network of optical/UV telescopes

VR Platform

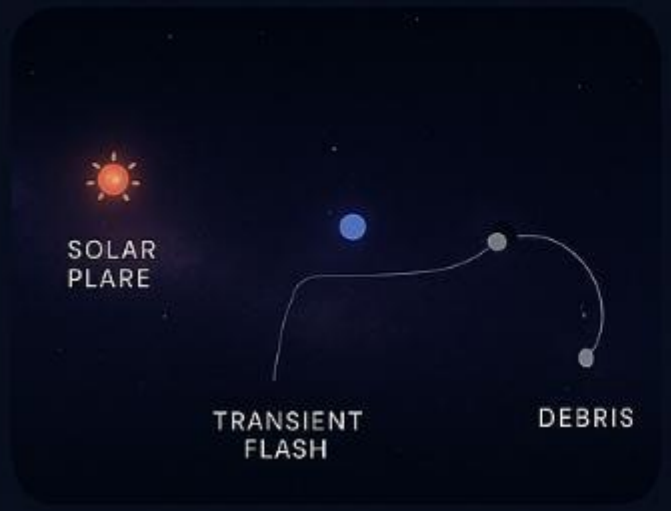
First-person immersive astronomy:
View the universe from “astronaut POV”

KOSMOS CONNECT

1. USER ENTRY

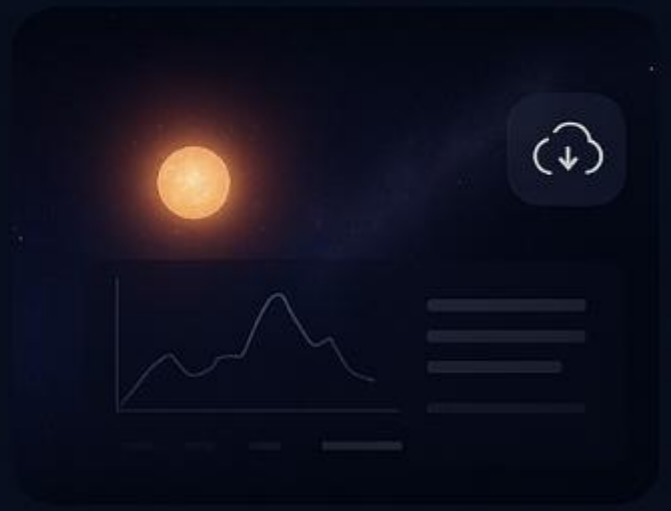
2. SELECT SKY REGION

3. LIVE STREAM VIEW



4. EVENT HIGHLIGHTS

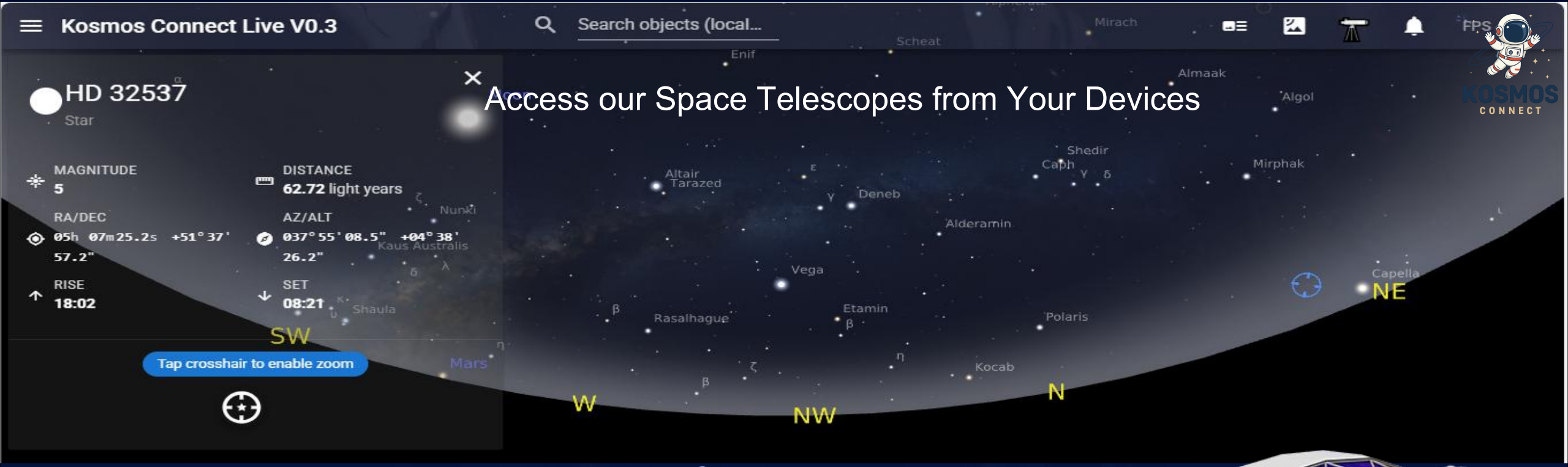
5. DATA LAYER TOGGLE

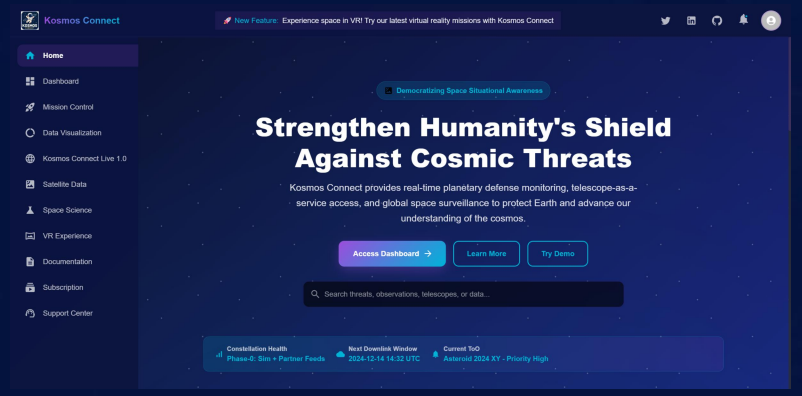


6. INSIGHT DASHBOARD

In the age of AI and computing we are building a future by transforming how humanity explores space by monetising access to cosmic events through Leveraging Space/Ground data from network of multispectral ground and In-Orbit Telescopes with accurate AI models for astronomy, education, and Asset/SSA-adjacent space mapping for making it accessible to researchers, students, space asset operators, Insurance

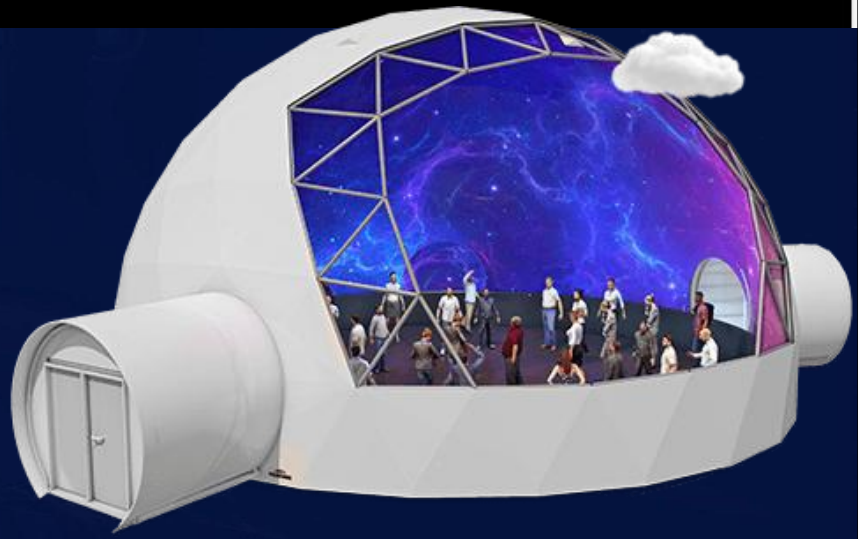
Access our Space Telescopes from Your Devices





Web/App Based Insight Dashboard

Free Roam VR 360* Simulator



Immersive Planetarium Dome

Why Pay-as-you-Observe AO ?

Space Imaging & Observation

Cloud Based Event prediction Data Analytics

1. **Transient Astronomy**
   Large FOV + larger aperture from small satellite

2. **Sky Mapping and Observation**
   Large aperture = higher resolution from nano/micro satellites with increased latency than resolution

3. **SSA**
   machine learning models for Space Situational Awareness

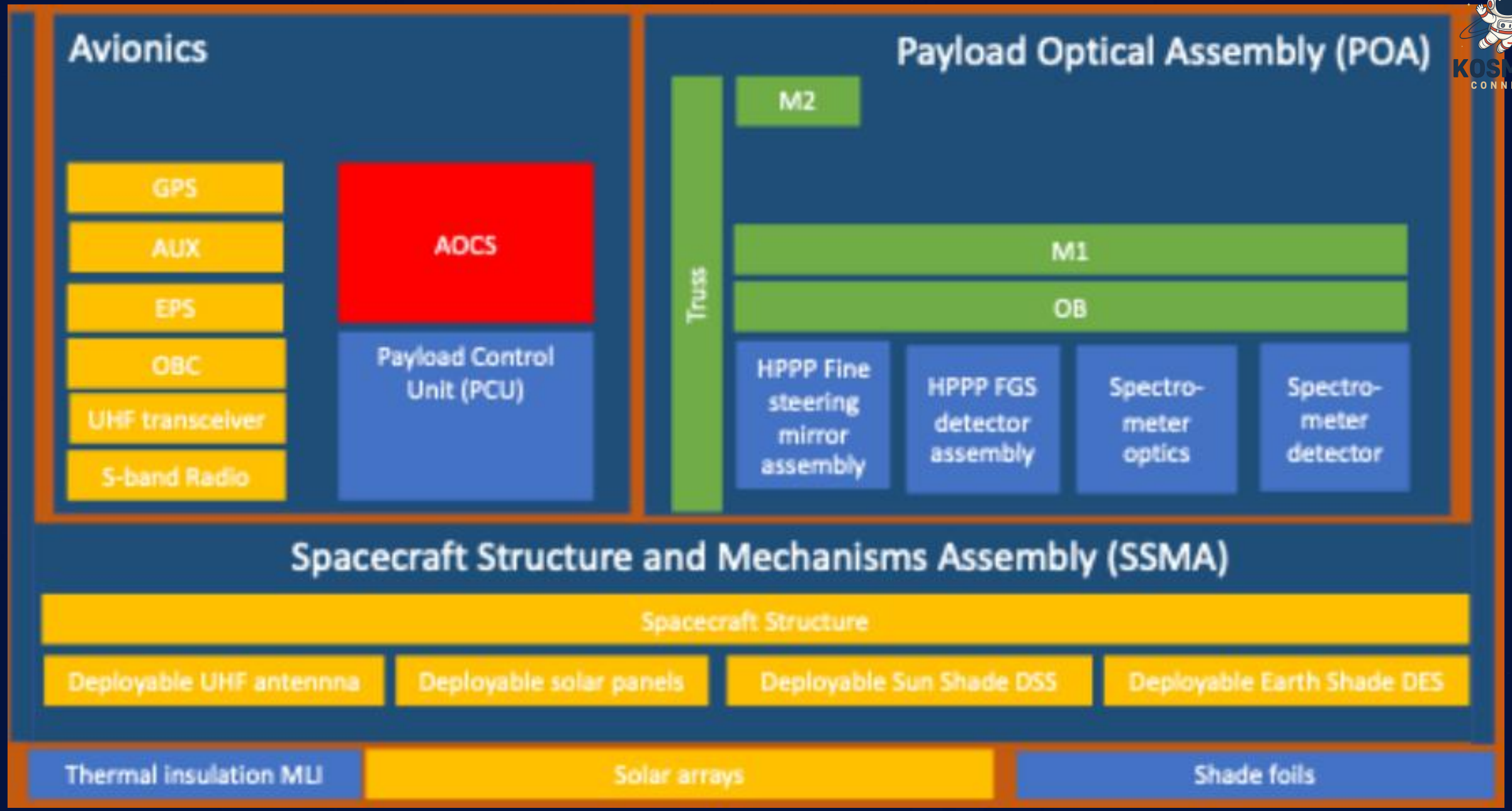
4. **VR/AR Public Outreach**
   Space telescopes feeding immersive VR dashboards

Space situational awareness and Planetary defense

Global Edtech for Astronomy

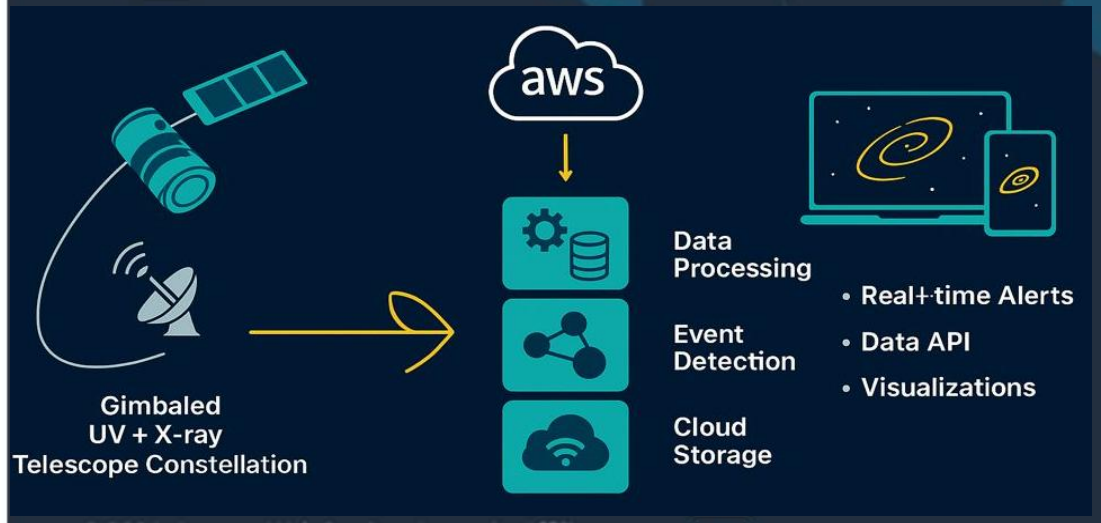
AO Adaption and Market Requirement Mapping in Commercial Sectors

To capture the Space Mapping and Surveillance Market by Combining data from earth based observation and a second location in space significantly improve prediction using AI/ML to aid customer value stack.



Scaling on AWS

1. Technical Guidance and training to host our fleet of **Orbital Surveillance(OS) Mission Operation Centre** on **AWS Cloud CMOS.**
2. Orchestration support for Astronomical Observatory satellite Constellation and ground telescopes to enable **Nano-Observatory-as-a-service(NOaaS)**.
3. Credits for Tools and professional services to enable and simplify Demand/Event Driven **AO Satellite Data** lake engineering on AWS Utilizing On-Demand usage based **Global AWS Ground Station Network Infrastructure.**



Alaska
Oregon
Ohio
N. Virginia
Hawaii
Ireland
Stockholm
Frankfurt
Bahrain
Seoul
Singapore
Cape Town
Dubbo
Sydney
aws

Market Opportunity: A $10 Billion Potential

Total Global Market Potential

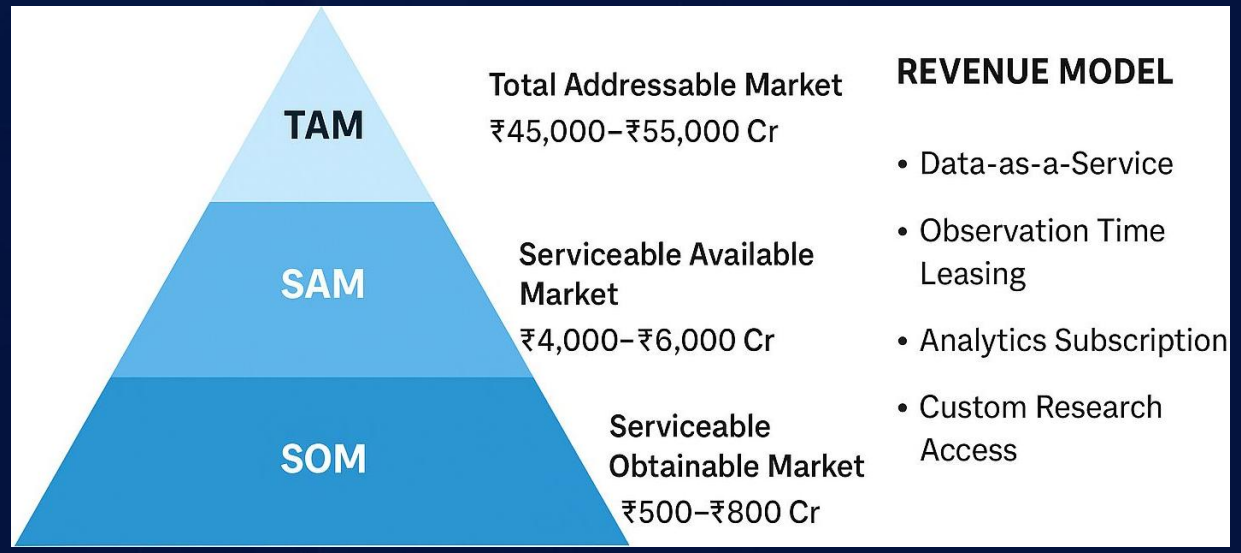
We combine four high-growth markets to create a unique opportunity:

Space Imaging & Observation: Selling images and environmental data from Earth orbit. (A multi-billion dollar market growing quickly)

Specialized Data Services: Providing high-tech satellite data for commercial use (e.g., communications, mapping). (A rapidly growing market worth tens of billions)

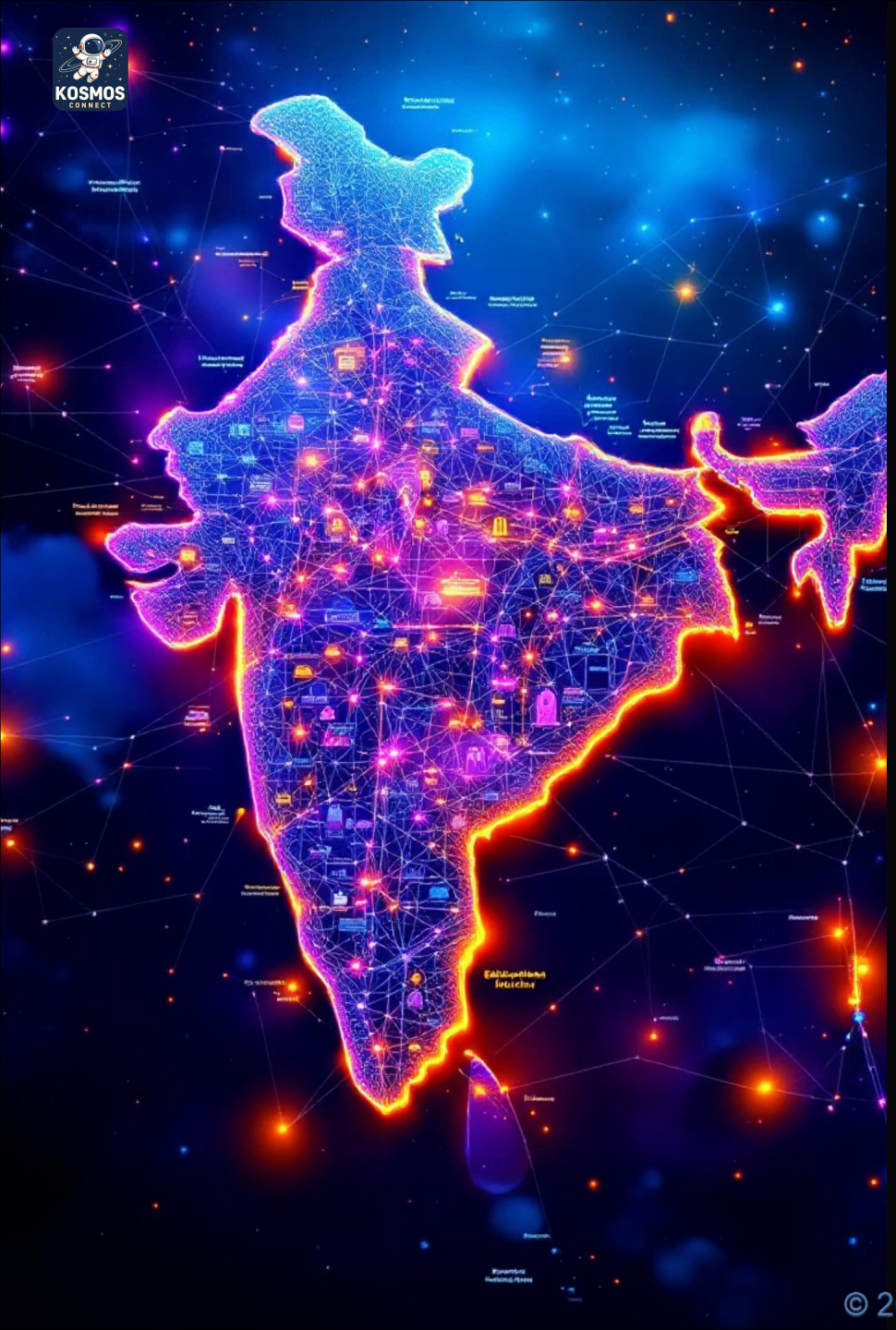
Public Science Investment: Tapping into annual multi-billion dollar government budgets for pure space science and research.

Global Online Education: Serving the massive, hundreds-of-billions market for interactive, live learning and Education Technology (EdTech).



Our combined market value (Total Addressable Market) exceeds $10 Billion per year across science data, live content, and education platforms.

We stand at a time when space is more crowded and dynamic than ever. Asteroid discoveries are accelerating, interstellar visitors have begun arriving, satellite constellations are proliferating, and the Sun's moods need constant watch. It's imperative that our planetary defence and SSA capabilities keep pace.



Go-to-Market Strategy

India → Global

B2B & B2G

Anchor Partners

- National planetariums
- Satellite Companies (SSA)
- Science centres
- Mobile domes
- University astronomy clubs
- Outreach cells

Packages

- Annual venue subscriptions
- Minute packs
- School blocks
- Community nights
- CSR-sponsored deployments

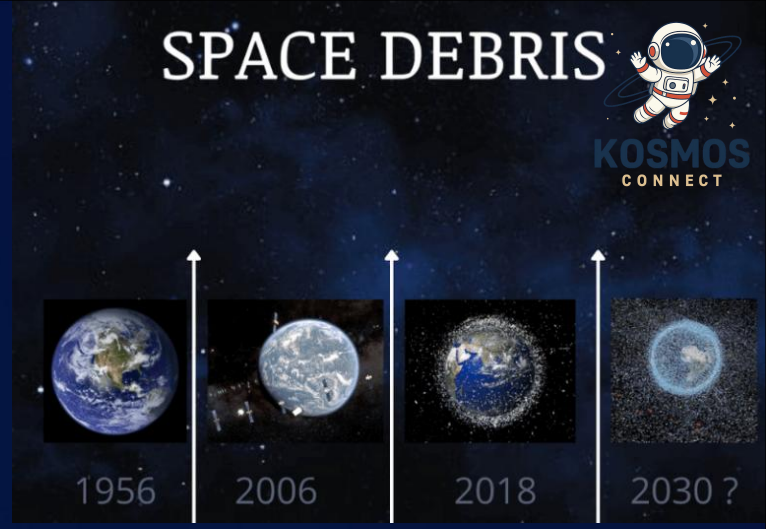
Channels

- Direct to institutions
- State education missions
- Incubator/government networks
- CSR & corporate sponsorships

B2C

Space Enthusiast

- For all Space Enthusiast & Telescope Users can access Space Telescopes 24/7 365 days .



Our ASK

Target Raise: $6M–$10M (₹50–₹85 Cr)
for Live 1.0 constellation + platform scaling.

Funding Mix
IN-SPACe & Govt Programs
Strategic Space-Tech Partners
Venture Capital & Deep-Tech Investors
STEM Philanthropy Funds

Core Team & Roles

Leadership Team

Debasis Mohabhoi
CEO

Pinak Kumar
COO

Kumuda Ranjan Panda
CAO

Lokanath Nayak
CTO

Sabyasachi Pradhan
CIO

Ramakant Tripathi
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Research Team

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Physics

Ex-CERN, Switzerland

Ipsit Panda
Physics

IIT - Delhi

Anand Nagesh
Spacecraft

Spacecraft Project Director

PARTNERS

Knowledge	IIA	टामूअसं tifr	IISER BERHAMPUR
NOaaS Technology (Space/Ground/AI)	aws	IN-SPACe Indian National Space Promotion and Authorization Centre Department of Space, Govt. of India	
On-Ground	CIC t-hub ATAL INCUBATION CENTER	leaf space DEPLOYNXT planetary vimaana RESEARCH LABS ArkEdgeSpace	Transcend SATELLITE TECHNOLOGY maargin TECHXR TechXR Innovations Private Limited

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AWS SPACE ACCELERATOR APJ 2025