



CONNECTING WHAT MATTERS.  
SPACE-BASED, EARTH-FOCUSED.

**THURAYA-4  
STAKEHOLDER &  
INVESTOR TOOLKIT**



# WHO IS THIS FOR?

- Investors, analysts, and board members needing fast factual references.
- Space42 Service Partners (SP), sales and marketing teams.
- For briefing preparation across media, and customer meetings.

# HOW TO USE IT?

**Mission Snapshot:** open any deck or pitch with a one-slide overview provided here.

**Proof Pillars & Persona Cards:** drop into RFPs or partner webinars.

**Executive FAQ:** quote-ready answers for press or IR calls.

**Visual Library:** copy-paste approved imagery, videos, and assets.

# MISSION STATEMENT

Thuraya-4 is Space42's new sovereign L-band satellite delivering secure uptime connectivity across Europe, MENA, Central Asia and Africa. Purpose-built for governments, fleets and aircraft that cannot afford shadow zones.

It wraps military-grade encryption, dynamic beam steering and always-on service into a single, partner-delivered ecosystem. From battlefield command posts to blue-water vessels and rotary wings, Thuraya-4 keeps mission-critical operations online, slashes cost of downtime and unlocks real-time data that improves safety, while future-proofing networks for next-generation applications.







# WHY THE UAE LEADS

## UAE COMMITMENT TO SPACE INNOVATION

- **National Strategy Alignment:** Thuraya-4 directly supports the UAE National Space Strategy 2030 and the country's ambition to be an exporter of space technology.
- **Sovereign Control and Security:** All primary ground stations, cryptographic key management, and network operations are hosted in the UAE, ensuring local command of vital infrastructure.
- **Global Partnership Hub:** By orchestrating world-class suppliers under UAE programme leadership, Space42 turns international expertise into regional capability.



# COVERAGE MAP

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# PERSONA FLASH CARDS

## Government

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**Target Industries:**  
Ministries of Defense,  
Interior, Emergency  
Services, Civil Aviation

**Pain Point:**  
Terrestrial networks  
failed during  
regional floods

**Message Hook:**  
UAE Sovereign,  
always-on satellite  
infrastructure

## Maritime

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**Target Industries:**  
Commercial shipping,  
Logistics, Coast guards,  
Offshore support

**Pain Point:**  
Lost signal in deep-  
sea routes disrupted  
operations and crew  
communications

**Message Hook:**  
Seamless ocean  
coverage with  
zero blind spots

## Oil & Gas

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**Target Industries:**  
Upstream & Midstream  
Oil companies,  
Energy EPCs

**Pain Point:**  
Offshore platforms  
suffered broadband  
instability due  
to weather

**Message Hook:**  
Rugged, low-latency  
broadband  
for offshore &  
onshore ops

## Aviation

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**Target Industries:**  
Air cargo, Private  
aviation, Airlines,  
Aviation regulators

**Pain Point:**  
In-flight communications  
were unreliable,  
causing cargo updates  
and route risks

**Message Hook:**  
Airborne-ready,  
high-uptime  
satellite broadband



## Humanitarian

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**Target Industries:**  
NGOs, Disaster  
Response organisations,  
Peacekeeping missions

**Pain Point:**  
No communication  
for 48 hours after a  
quake delayed relief  
coordination

**Message Hook:**  
Portable, deploy-  
anywhere satellite  
broadband  
in crisis zones

## Remote Business

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**Target Industries:**  
Mining, Construction,  
Forestry, Tourism,  
Agri-tech in rural zones

**Pain Point:**  
Remote industrial  
sites lacked telecoms,  
limiting data and  
increasing costs

**Message Hook:**  
Extending operational  
reach beyond terrestrial  
infrastructure

# EXECUTIVE FAQ

## 1. What is Thuraya-4 in one sentence?

**Short Answer:** A sovereign, jam-resistant L-band satellite delivering secure uptime across EMEA and Central Asia.

**Long Answer:** Thuraya-4 is Space42's newest geostationary (GEO) satellite, engineered to offer secure, always-on mobility services for governments, maritime fleets and aviation operators spanning the Middle East, Europe, Africa and Central Asia.

## 2. When was it launched and by whom?

**Short Answer:** 3 Jan 2025, on a Falcon 9 rideshare.

**Long Answer:** The satellite lifted off at 20:27 Eastern Time on 3 Jan 2025 aboard a SpaceX Falcon 9 from Cape Canaveral SLC-40.

## 3. Why choose L-band instead of LEO Ku/Ka?

**Short Answer:** Security and guaranteed uptime.

**Long Answer:** L-band penetrates rain, sand and foliage, requires smaller antennas, and, being GEO, avoids the hand-off drop-outs common in low-Earth constellations, giving sovereign clients uninterrupted, hard-to-jam links.

## 4. What coverage footprint does it provide?

**Short Answer:** 100+ nations across EMEA and ASIA.

**Long Answer:** Thuraya-4's steerable beams span Europe, MENA, sub-Saharan Africa and Central Asia, with hotspot capacity over major sea lanes like Suez and Hormuz.

## 5. What's unique about its security?

**Short Answer:** End-to-end AES-256 encryption over UAE-sovereign satellite and ground infrastructure.

**Long Answer:** All user traffic is protected with end-to-end AES-256 encryption and carried exclusively over UAE-controlled satellite and ground infrastructure. Communications use state-of-the-art secure waveforms with built-in anti-jamming and interference mitigation.

## 6. Ground segment redundancy?

**Short Answer:** UAE gateways.

**Long Answer:** Primary gateways operate in Abu Dhabi.

## 7. What's the published SLA?

**Short Answer:** 99.9% network uptime.

**Long Answer:** The contractual SLA guarantees 99.9% end-to-end availability, ground gateways in Abu Dhabi.

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## 8. Latency figures?

**Short Answer:** ~700 ms round-trip.

**Long Answer:** Thuraya-4's single-hop round-trip latency is expected to be ~700 ms, consistent with GEO performance and suitable for mobility and airborne applications.

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## 9. Is Thuraya-4 interoperable with legacy Thuraya terminals?

**Short Answer:** Yes, most Gen-2 devices.

**Long Answer:** More than 80% of fielded Gen-2 L-band terminals receive OTA firmware enabling Thuraya-4 beams, protecting customer costs.

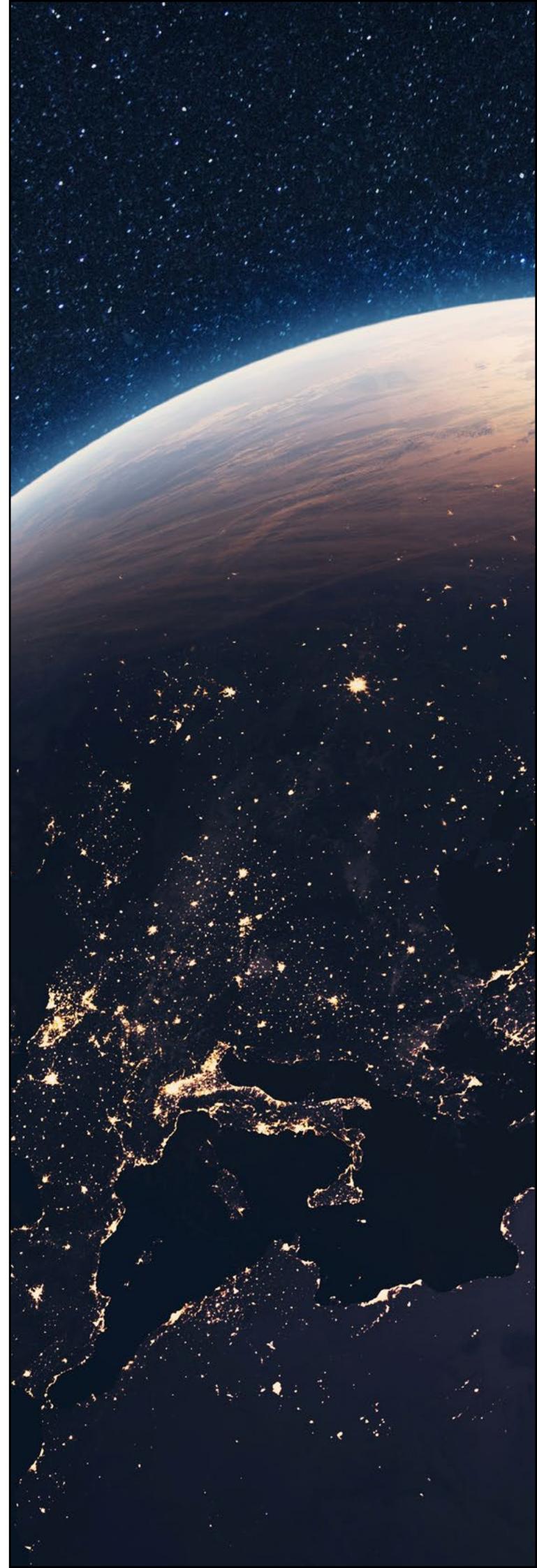
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## 10. Programme CAPEX?

**Short Answer:** ~US \$550M.

**Long Answer:** Total program investment, including spacecraft build, launch and ground segment, totals >\$550M; final audited figures publish at year-end.\*

\*Final audited figures will be published Q4 2025.



## 11. Target first-year revenue?

**Short Answer:** \$120M (prelim.).

**Long Answer:** Based on signed partner MoUs and pipeline forecasts, we model \$120M service revenue in 2025–26, representing  $\approx 2.5\%$  of the addressable secure-mobility TAM.

## 12. Business model: direct or channel?

**Short Answer:** 100% through certified partners.

**Long Answer:** Space42 supplies satellite bandwidth, hardware and tier-3 support; 30+ certified service partners own end-user sales, frontline support and local licensing.

## 13. How do partners make money?

**Short Answer:** Margin on hardware + recurring ARPU.

**Long Answer:** Partners buy terminals at wholesale, add installation and integration services, and earn recurring margin on airtime plans.

## 14. Key maritime product?

**Short Answer:** Orion IP terminal with SeaPro bundle.

**Long Answer:** Orion IP offers up to 444kbps IP plus voice/SMS and integrates with our SeaPro/OceanPro service plans.

## 15. Key aviation product?

**Short Answer:** Aero 320 and Helo 420.

**Long Answer:** Aero 320 (fixed-wing) and Helo 420 (rotorcraft) weigh under 10kg, draw <120W and provide cockpit and cabin links certified to ARINC 781.

## 16. What ESG benefit does it deliver?

**Short Answer:** Up to 4% fuel cut via route optimization.

**Long Answer:** Continuous, reliable data lets shipping fleets optimize weather routing and engine settings; on a 500-vessel fleet, that's  $\approx 55\,000\text{ t CO}_2$  avoided per year.

## 17. Competitive edge vs. Starlink Maritime?

**Short Answer:** Security + guaranteed bandwidth.

**Long Answer:** We target regulated or defense-linked operators who value sovereign control, predictable Mbps and AES-256, areas where best-effort LEO cannot currently assure service.

## 18. Expected satellite life?

**Short Answer:** 15+ years.

**Long Answer:** With chemical apogee burn plus electric station-keeping, Thuraya-4 carries propellant reserves for  $\geq 15$  years, extendable via potential in-orbit servicing.

## 19. Who manufactures user terminals?

**Short Answer:** Cobham and Comtech.

**Long Answer:** Terminals are manufactured under licence by Cobham Satcom and Comtech.

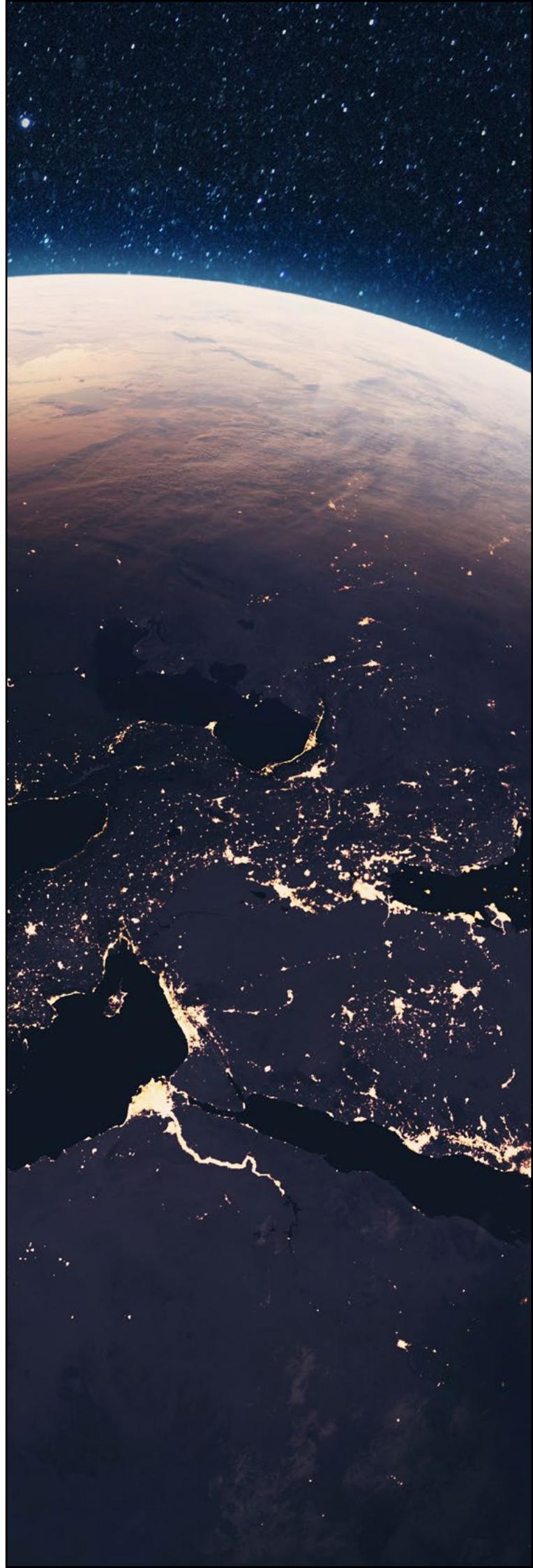
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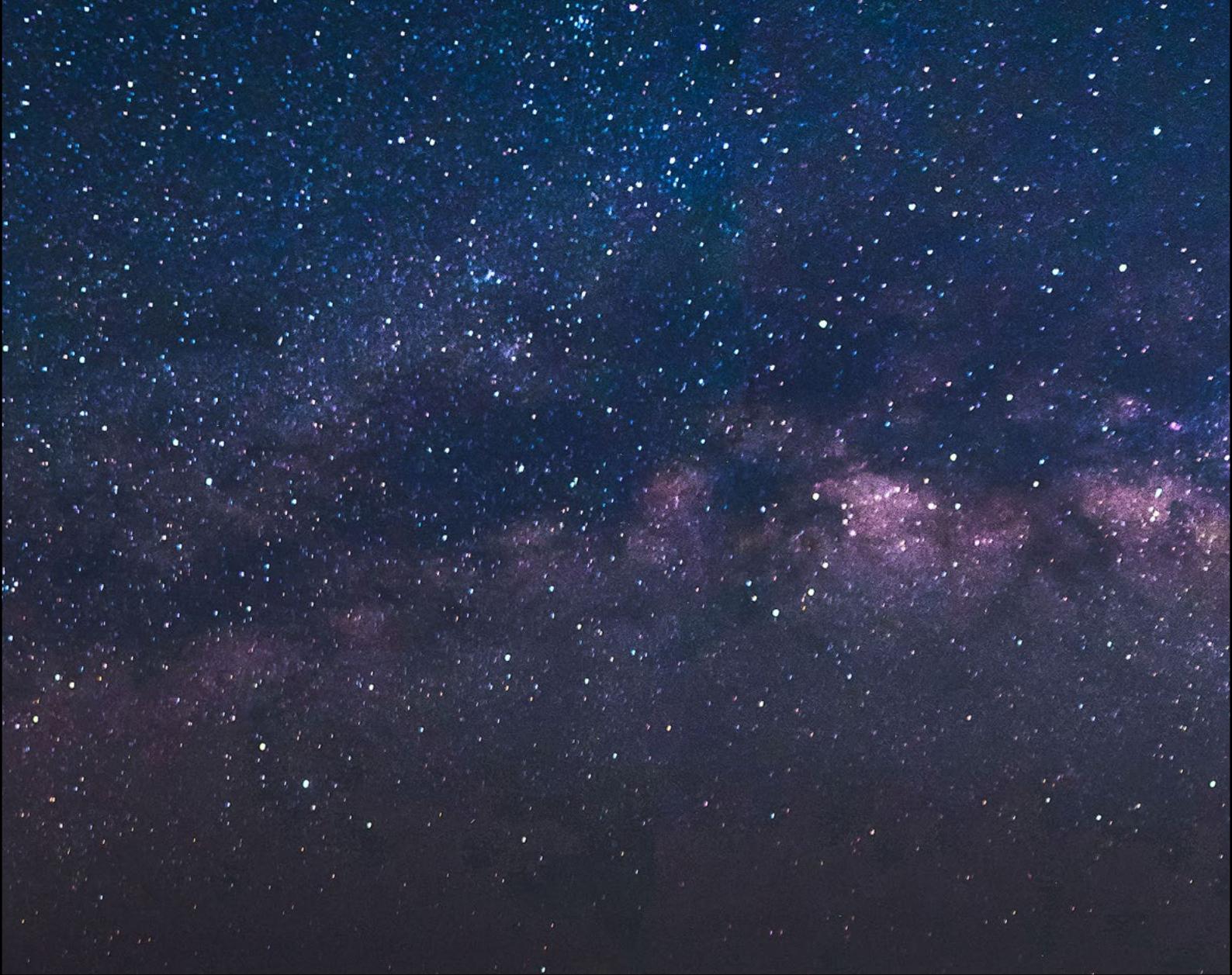
## 20. Next satellite in the roadmap?

**Short Answer:** Thuraya-5 slated for 2029.

**Long Answer:** We plan a follow-on GEO with tri-band (L/Ka/Q) payload, backward-compatible with Thuraya-4 terminals to give customers a seamless upgrade path.

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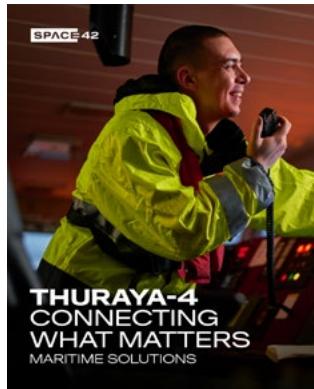
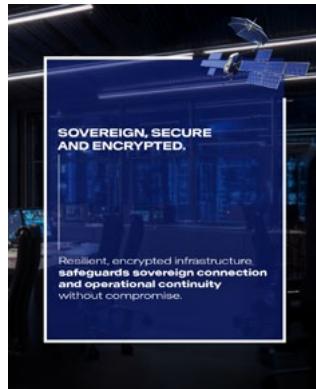


# ASSET LIBRARY:

- **Visual Library:** Directly accessible via extranet link details supplied by Space42 Marketing team.
- **Main landing page:** [thuraya.com/en/thuraya-4-ngs/home](http://thuraya.com/en/thuraya-4-ngs/home)

# SOCIAL MEDIA POSTS

Instagram/Linkedin Carousel:



**Caption:**

Thuraya-4 has reached orbit!  
Built under UAE leadership, our newest GEO satellite delivers jam-proof, secure uptime L-band across MENA, Europe, Africa & Central Asia, powering next-gen broadband, tracking, and tactical comms.

#Thuraya4 #Space42 #UAEspace

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Thuraya-4 is officially in orbit!  
Our newest GEO satellite delivers jam-proof L-band across MENA, Europe, Africa & Central Asia: secure uptime for missions where every second counts. Dive into how it boosts broadband, tracking & tactical comms.

#Thuraya4 #Space42 #SatelliteInnovation #UAEspace

