

SPACE42



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

THURAYA-4 FACTSHEET

INTRODUCING THURAYA-4

Higher Throughput

Wide range of data rates above 1 Mbps

Efficient and smart resource management to support surge in hotspot areas

Unmatched Reliability

Designed with security and resilience in mind

More Value
Affordable, reliable with flexible plans

Advanced Technology

Based on the new all-electric Airbus Eurostar Neo platform

Wider Satellite Footprint

Europe, Africa, Central Asia and the Middle East

Innovative Design

Advanced routing flexibility of up to channels with dynamic power 3,200 allocation

Versatile Platform For Future Applications

New product development opportunities for IoT, maritime & government

Thuraya-4 is a next generation mobile telecommunications system that will drive the continued advancement of Space42's L-band business across Africa, Europe, Central Asia and the Middle East.

It will increase coverage and capacity, while delivering better capabilities and flexibility to enable next generation mobility solutions for all customer segments, including defense, government and enterprise.

Reinforcing Space42's leadership of the MSS voice market, the new system will spur the company's growth across many strategic product lines, such as maritime, IoT and data solutions, offering a wide spectrum of throughput capabilities and highest speeds available in the market. Thuraya-4 is based on the state-of-the-art all-electric Airbus Eurostar Neo Platform, which provides a superior combination of reliability, flexibility and efficiency. It comprises a large 12-metre L-band antenna and a payload with on-board processing, facilitating advanced routing flexibility of up to 3200 channels with dynamic power allocation over a large number of spot beams.

MISSION STATEMENT

Thuraya-4 is Space42's new sovereign L-band satellite delivering jam-proof, 99.9% 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.



COMMITMENT TO SPACE INNOVATION

Thuraya-4 offers a world of opportunities to customers, service partners, hardware manufacturers and integrators, enhancing user experience across land, sea and air.

During and after the completion of the next generation programme, customers will enjoy seamless continuity of Thuraya's satcom services, with current products and solutions supported by its space and ground segments.



Expanded Coverage with T4-NGS

PROOF PILLARS

EXTENDED COVERAGE

- Unique satellite design for wider coverage across:
 - Africa & Europe
 - Central Asia
 - The Middle East
 - Thuraya-4 will also include vast stretches of the Atlantic and the Indian Oceans.
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SYSTEM CAPABILITIES

- Advanced high-performance capabilities allowing:
 - Wide range of data rates above 1 Mbps
 - Spacecraft flexibility to dynamically support surge in hotspot areas
 - Payload capacity supports 3 times the number of users than traditional MSS satellites
 - Supports multiple technologies
 - Payload adaptability
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BIGGER OPPORTUNITIES

- Unlocking a world of innovations for new product and solution development
- System flexibility to support diverse portfolio of products (small IoT devices, handheld terminals, transportable data terminals) with robust connectivity and high mobility
- Flexible platform designed for a wide range of existing and future services (voice, PTT, data, streaming, short burst messaging)
- Capability to develop vertical-specific products, solutions and applications

