

SPACE AGENCY OF THE REPUBLIC OF AZERBAIJAN



SATELLITE COMMUNICATION SOLUTIONS for **MARITIME**

ABOUT US

Azercosmos, Space Agency of the Republic of Azerbaijan, is the leading force behind the development of an innovative space ecosystem in Azerbaijan. Founded in 2010 as the first and only satellite operator in the Caucasus region, Azercosmos successfully provides high-quality and reliable satellite services to partners across the globe. Through two telecommunication satellites, Azerspace-1 and Azerspace-2, alongside advanced Earth Observation (EO) capabilities, Azercosmos delivers comprehensive services to more than 200 local and international stakeholders across 45+ countries, reaching over 100 million end users across Europe, Africa, the Middle East, and Central Asia. Its modern teleport infrastructure, international partnerships, and globally recognized quality and security standards support diverse markets including telecommunications, media broadcasting, agriculture, environmental monitoring, disaster management, and defense.



Tv and Radio
Channels



Local and
International
Partners



Countries Served



Users



Utilization of
Satellite Resources



of Revenue
Generated from
Exports



Customer Satisfaction
Survey Results

SERVICES & PRODUCTS



SATELLITE COMMUNICATION

- Satellite broadcasting
- Satellite internet
- IoT
- Azconnexus (product)

EARTH OBSERVATION & GIS

- Satellite imagery
- GIS Analysis & Monitoring for Industrial Applications
- Platerra (product)
- Farmer App (product)
- WebGIS (platform)
- Climate.az - Climate Monitoring and Reporting Platform

TELEPORT

- DRS
- Hosting

VAS (VALUE ADDED SERVICES)

- Managed satellite connectivity
- Training and consultancy
- SMART (software)

POTENTIAL DEVELOPMENT & EDUCATION

- Space Academy
- National Space Incubation
- Earth Observation Competition (scientific project)

OUR SOLUTIONS



Environmental
Monitoring
& Reporting



Emergency
Communication
& Safety



E-Navigation
& Positioning
Services



Fleet
Management



Remote Monitoring
& IoT Integration



Crew Welfare
& Communication





SATELLITE COMMUNICATIONS

C-band



Azerspace-1



Government



Enterprise



Maritime

Ku-band



Azerspace-1



Azerspace-2



Government



Enterprise



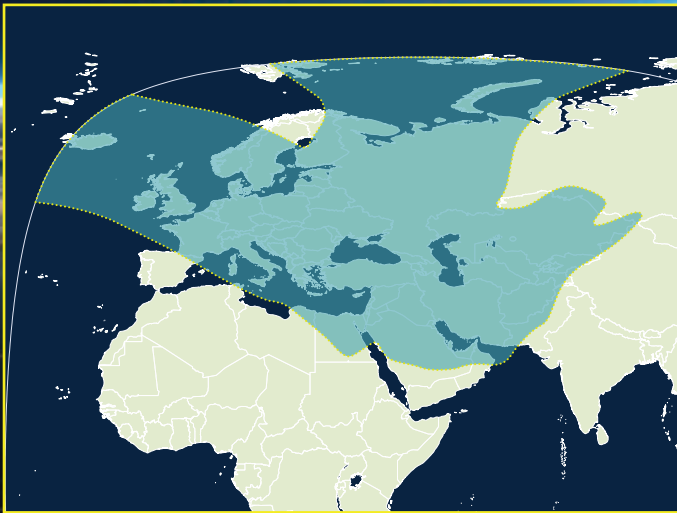
Mobility

AZERSPACE-1

Launched in 2013

Ku & C-band

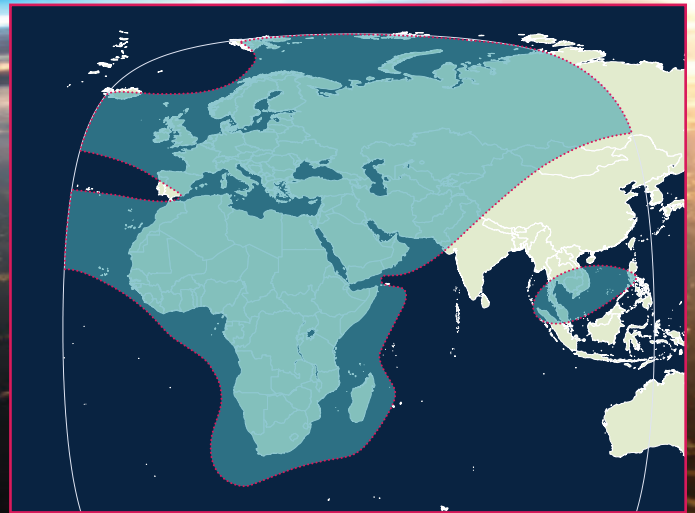
46°E



Ku-Band

Europe Beam

One of the most powerful beams for Europe with 53 dBW EIRP guaranteeing efficient bandwidth usage.



C-Band

Africa and Europe Beam

A distinctive, high-power beam that equally covers both Africa and Europe, from the north of the United Kingdom to the south of the African continent.

Ku-Band

Central Asia Beam

With 53 dBW EIRP, it is one of the strongest beams covering Central Asian countries.

C-Band

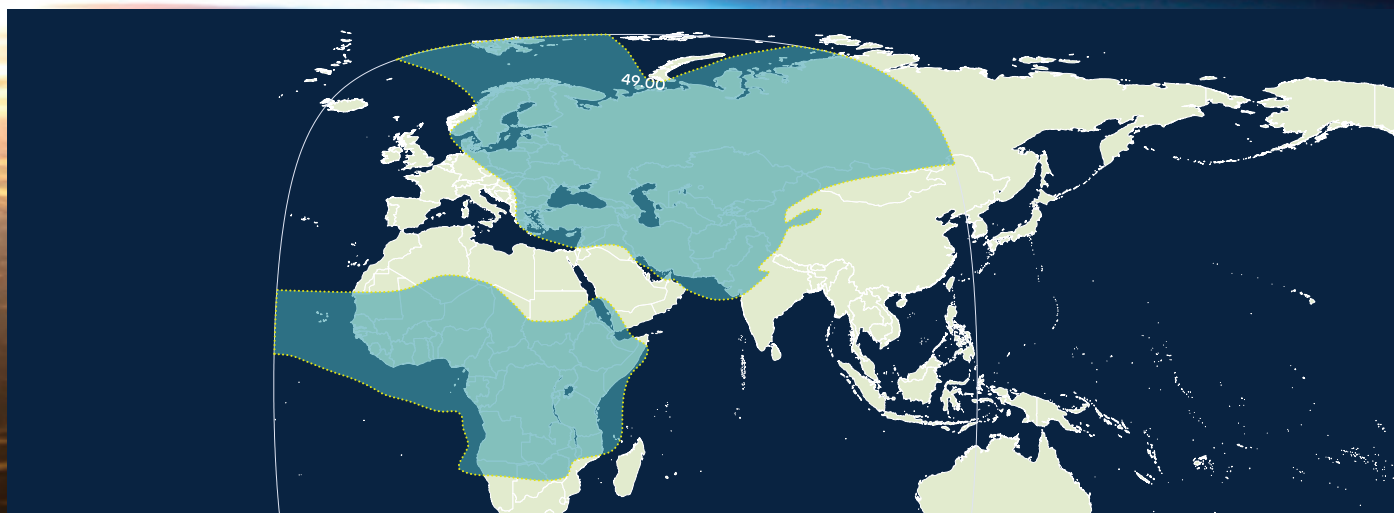
Central Asia & Europe Beam

An exceptional, powerful beam bridging Europe and Asia, ensuring seamless, reliable, and high-quality connectivity.

AZERSPACE-2

Launched in 2018
Ku-band

45.1°E



Ku-Band

Central & East Africa Beam

One of the most powerful beams covering Eastern and Central Africa with 55 dBW EIRP.

Ku-Band

Eurasia Beam

A unique beam providing extensive coverage across Europe and Asia and requiring minimum antenna size of 0.6 m.

Ku-Band

Pakistan & Afghanistan Beam

The strongest beam in the region with the highest possible 58 dBW EIRP. Exceptional, high-throughput satellite performance and MHz/Mbps ratio.

Ku-Band

West Africa Beam

With 56 dBW EIRP, it is considered to be one of the strongest beams that enable efficient data transmission.

GLOBAL NMS

All elements controlled from a single global system

Global NMS is a powerful built-in feature that enables a true global network, with all elements controlled from a single global system:

- Multiple hubs, teleports and satellites
- A fleet of modems able to move freely among all defined networks.

All modems can be manually switched between networks or automatically search for a network.

Global NMS works with or without Automatic Beam Switchover (ABS), providing true "hands-off" global mobility ideal for maritime applications, itinerant terminals (comms on the pause) and more.

Single Pane of Glass - Monitor, Control & Manage



Monitoring



Configuration



Alarms



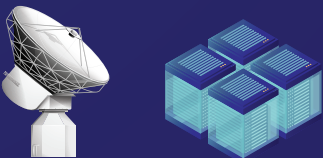
Performance



Reports

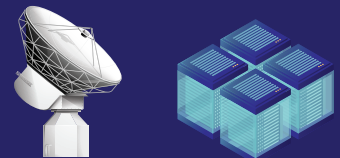
Secure IP Network
MPLS / VPN / Internet

HUB / TELEPORT 1
HUB Platform



...

HUB / TELEPORT N
HUB Platform



Satellite 1



Satellite N

KEY FEATURES



Multiple hubs, teleports and satellites

Manage all elements from a single global system



Global modem mobility

Modems move freely among all defined networks



Manual or automatic network selection

Modems can be manually switched between networks, or automatically search for a network

ABS

Works with or without Automatic Beam Switchover (ABS)

Provides seamless connectivity with or without ABS



True "hands-off" global mobility

Ideal for maritime applications, itinerant terminals and more



Redundant NMS Servers



Secure & Reliable



Scalable Architecture



Open APIs & Integration

FLEET OF MODEMS - GLOBAL MOBILITY



Connected via HUB 1 / Satellite 1



Handover to HUB 2 / Satellite 2



Handover to HUB N / Satellite N

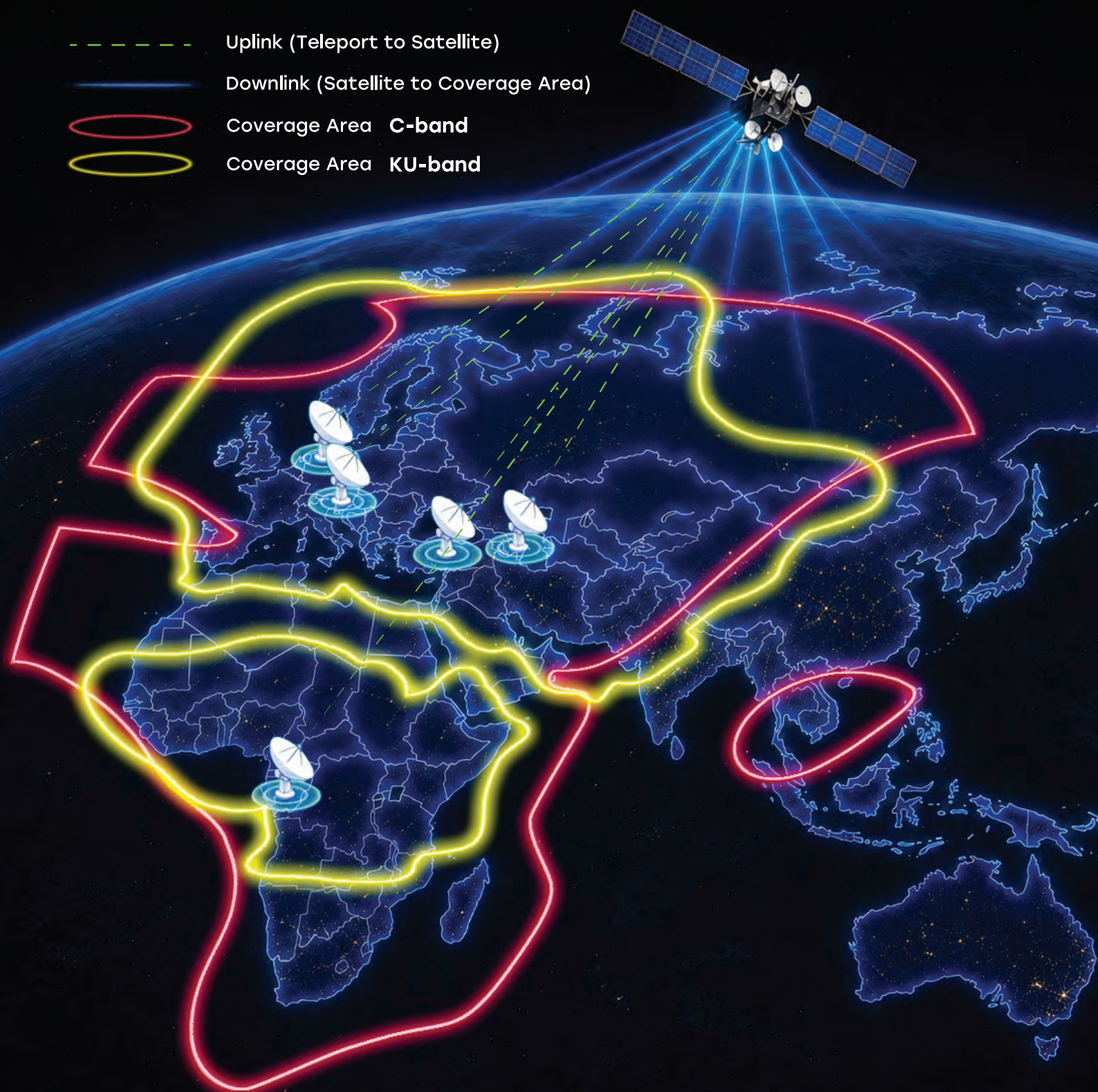


←----- Seamless connectivity as the vessel moves - no service interruption -----→

TELEPORT SERVICES



-  Uplink (Teleport to Satellite)
-  Downlink (Satellite to Coverage Area)
-  Coverage Area **C-band**
-  Coverage Area **KU-band**



Government



Enterprise



Mobility

STARLINK MARITIME IN AZERBAIJAN

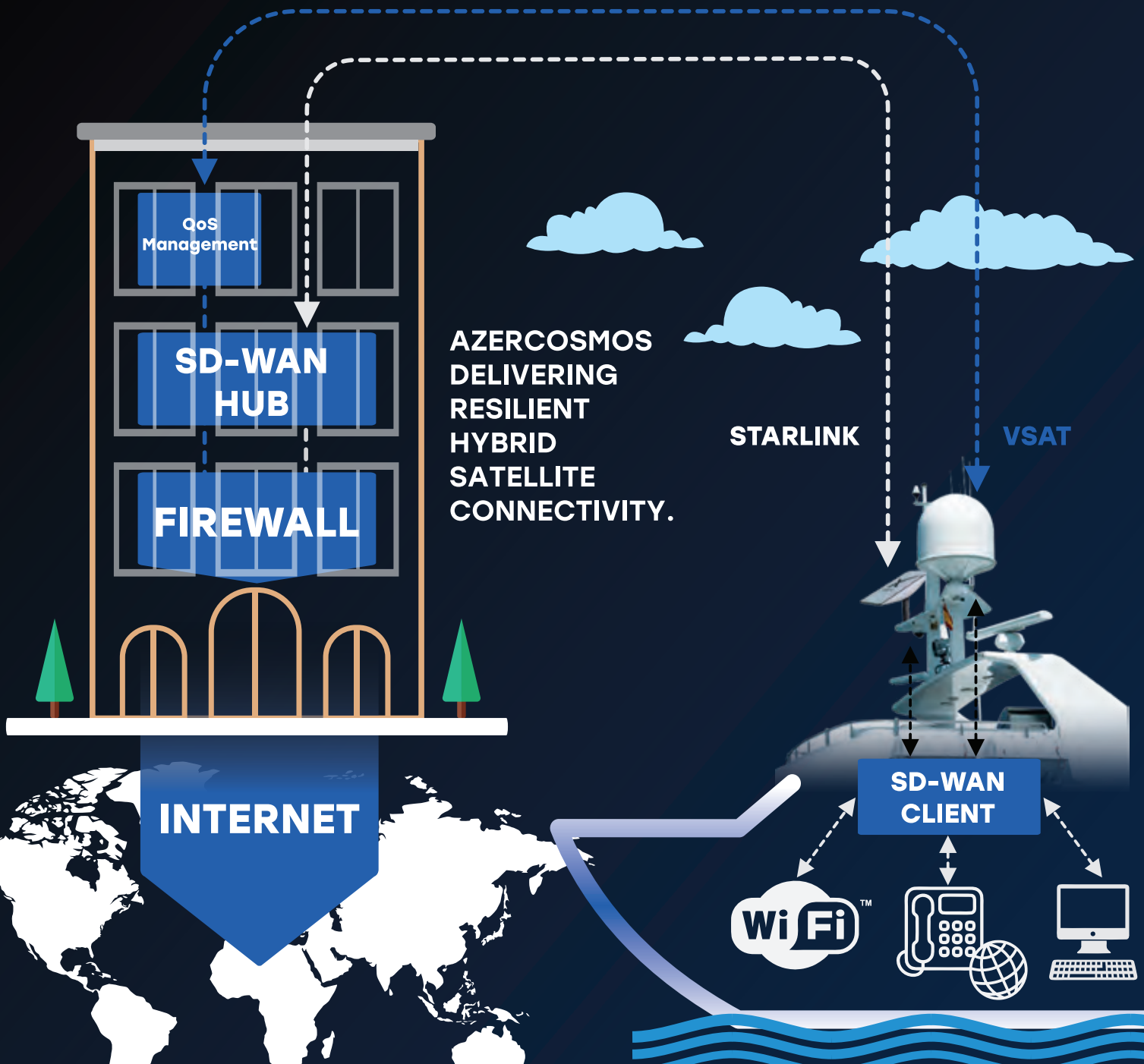


Azercosmos offers a hybrid connectivity solution combining Starlink LEO and Ku-band GEO VSAT, providing reliable and continuous connectivity for maritime and oil & gas operations. By combining Starlink's high-speed capabilities with the coverage and resilience of GEO satellite services, customers benefit from enhanced service availability, operational continuity and regulatory compliance.

VSAT services are delivered over the Newtec platform and supported by maritime antennas.

OUR HYBRID CONNECTIVITY SOLUTION:

- Starlink LEO + Ku-band GEO VSAT
- Newtec-based VSAT services
- Maritime antennas
- Reliable, resilient connectivity
- Maritime & oil & gas connectivity





SPACE AGENCY OF THE REPUBLIC OF AZERBAIJAN



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e-brochures



discover us on social media



contacts