

SPACE AGENCY OF
THE REPUBLIC OF AZERBAIJAN



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Vice Chair of Azercosmos,
The Space Agency of the Republic of Azerbaijan

2026

The driving force behind of the modern space ecosystem in Azerbaijan: Azercosmos

In 2008, President Ilham Aliyev signed a decree on the development of the space industry in our country, titled "On the establishment of the space industry in the Republic of Azerbaijan and the launch of telecommunications satellites into orbit."

With this decree, Azerbaijan's modern space industry was established. Since 2010, Azercosmos has been the first and only satellite operator in the region.

Since 2021, Azercosmos has operated under the status of the Space Agency of the Republic of Azerbaijan.

The Agency plays a key role in the implementation of the country's space strategy, satellite management, specialist training, providing training and consultancy services, international collaborations, and the utilization of space data.



Ilham Aliyev in Main Ground Satellite Operation Center



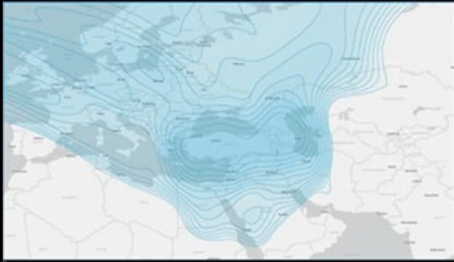
Main Ground Satellite Operation Center



Back-up Ground Satellite Operation Center

Azerspace-1 46°E

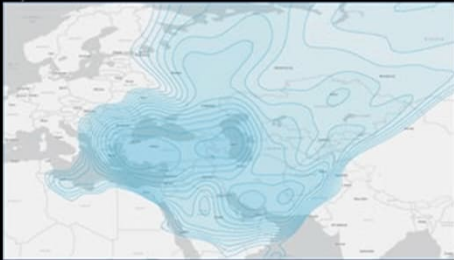
Launched in 2013 Ku & C-band



Ku-Band

Europe Beam

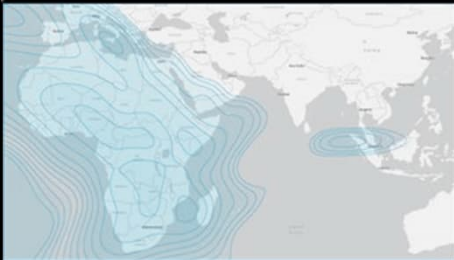
One of the most powerful beams for Europe with 53dBW EIRP guaranteeing efficient bandwidth usage.



Ku-Band

Central Asia Beam

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



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.



C-Band

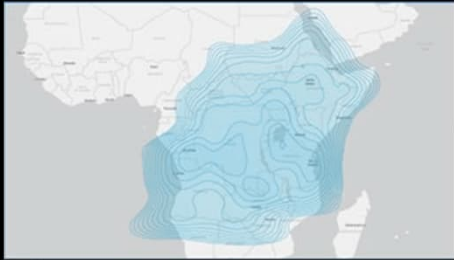
Central Asia and Europe Beam

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



Azerspace-2 45.1°E

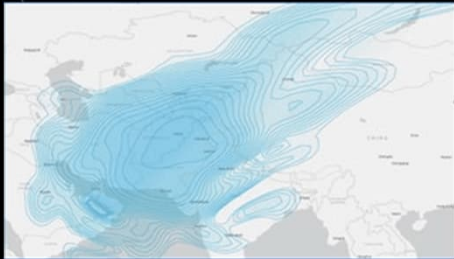
Launched in 2018 Ku-band



Ku-Band

Central and East Africa Beam

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



Ku-Band

Pakistan and Afghanistan Beam

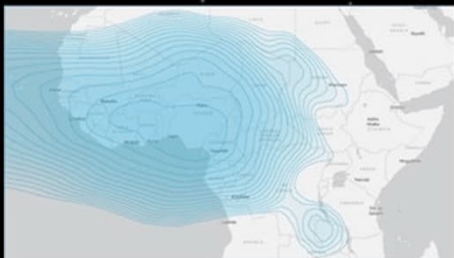
The strongest beam* in the region with the highest possible 58 dBW EIRP. Exceptional, high throughput satellite performance and MHZ/Mbps ratio.



Ku-Band

Eurasia Beam

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



Ku-Band

West Africa Beam

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



Our partnership geography



Space Resources & Legal Framework

Azerbaijan's Orbital Position

In 2023, our country obtained a geostationary orbital position at **46° East longitude**. Only 48 countries in the world have an officially designated position like this. This allows Azerbaijan to place its satellites in a unique orbital slot.

National Law on Space Activities

In 2023, **the Law of the Republic of Azerbaijan "On Space Activities"** was adopted. Only 43 countries in the world have such a national space law. This Law defines the legal, economic, and organizational foundations of space activities in the Republic of Azerbaijan, as well as the general requirements for carrying out entrepreneurial activities in the space industry.



What We Do



**Video Services
& Solutions**



**Data Services
& Solutions**



**Earth
Observation**



Teleport



**Spectrum
Management**



**Research and
Development**

Services Related to the International Telecommunication Union (ITU)



**Assistance with ITU
website review and
insights**



**Analysis of
BR International
Frequency
Information
Circular (IFIC)
documents**



**Composition and
distribution of the
BR IFIC Letters
Identification of the
relevant contacts
and reaching out to
them**



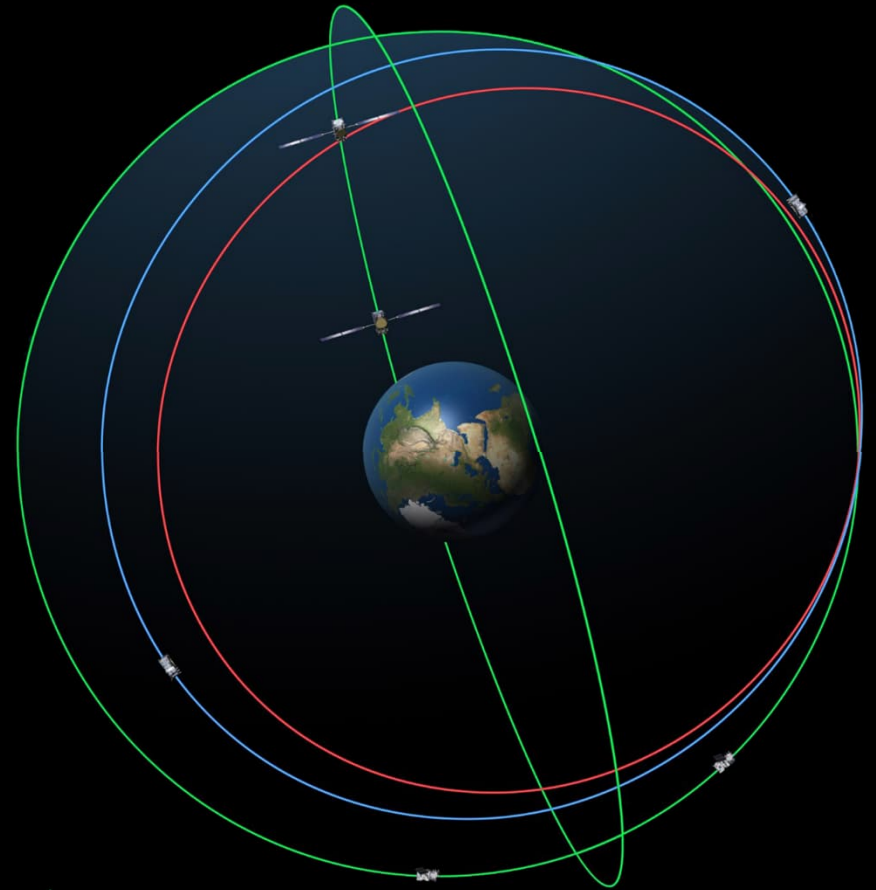
**Relevant activities
over the
E-Submission
system**

Orbit Determination Services

Comprehensive analysis for orbit determination upon the request of the customer

Orbit determination within the coverage in line with the interest of the customer

Conduct of extensive research on the empty slots in various orbits



Management of Satellite Filings

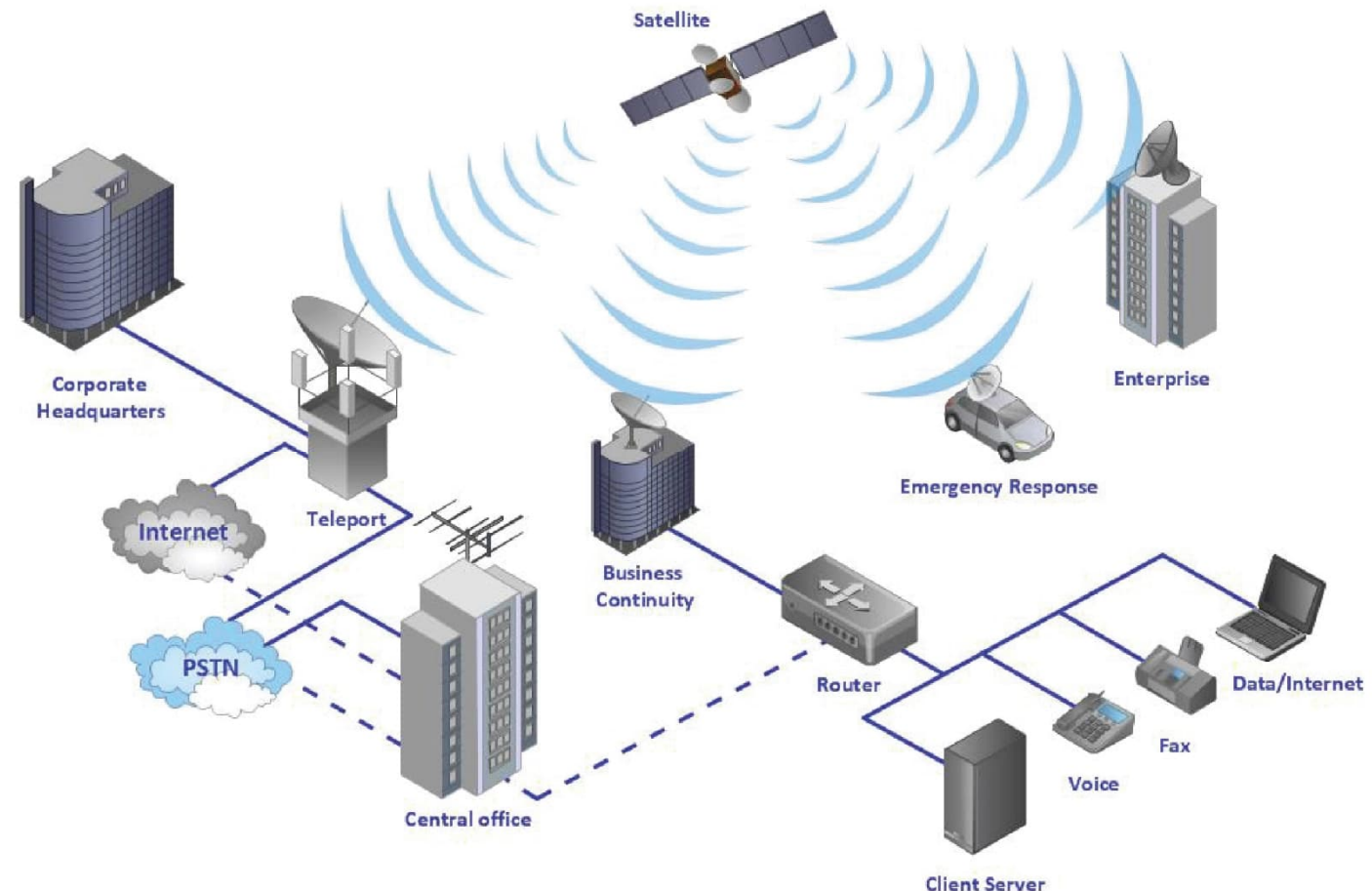
Creation of satellite filings

Preparation of the technical documents to be presented to the ITU

Provision of security for **Cyclic Redundancy Check (CRC)** once finalized

Assistance with the design and creation of **Part 1S**

Support in **BIU (Bringing Into Use)** process



Coordination of GSO Satellite Filings



**Provision of
coordination of the
existing satellite filings**



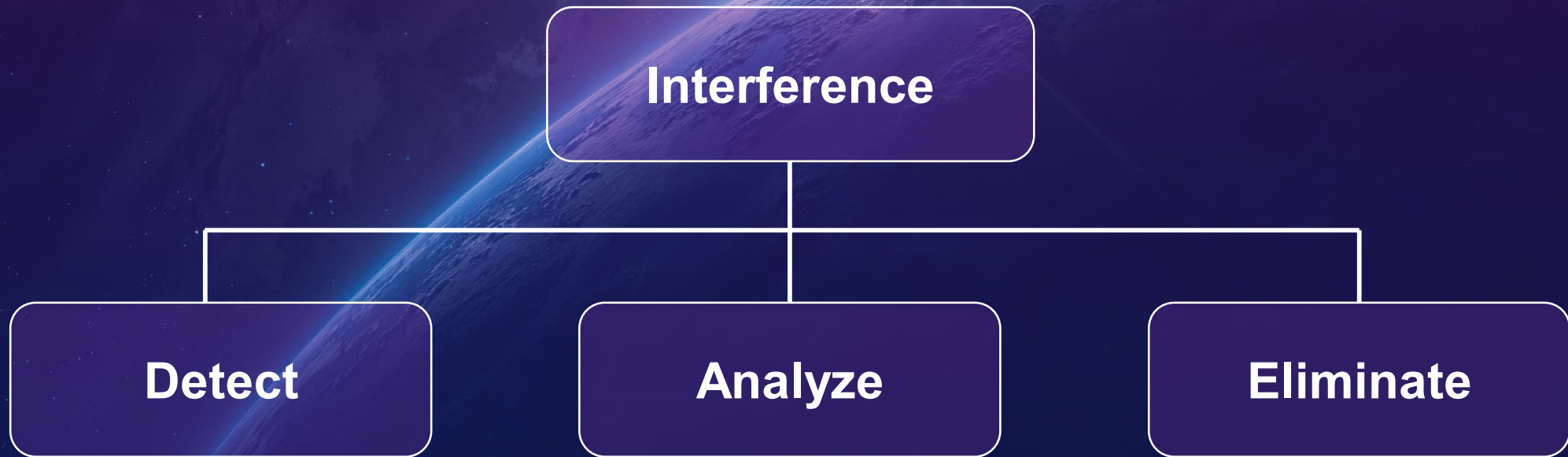
**Suggestions on the
coordination matters and
techniques provided
upon request**



**Support and expert
views on coordination
of the filings**

GSO Satellite Interference Analysis

Detection and elimination of interferences in GSO satellites through extensive analysis. For this, various programs are used, such as **SMART** and **BR Sam** (ITU).

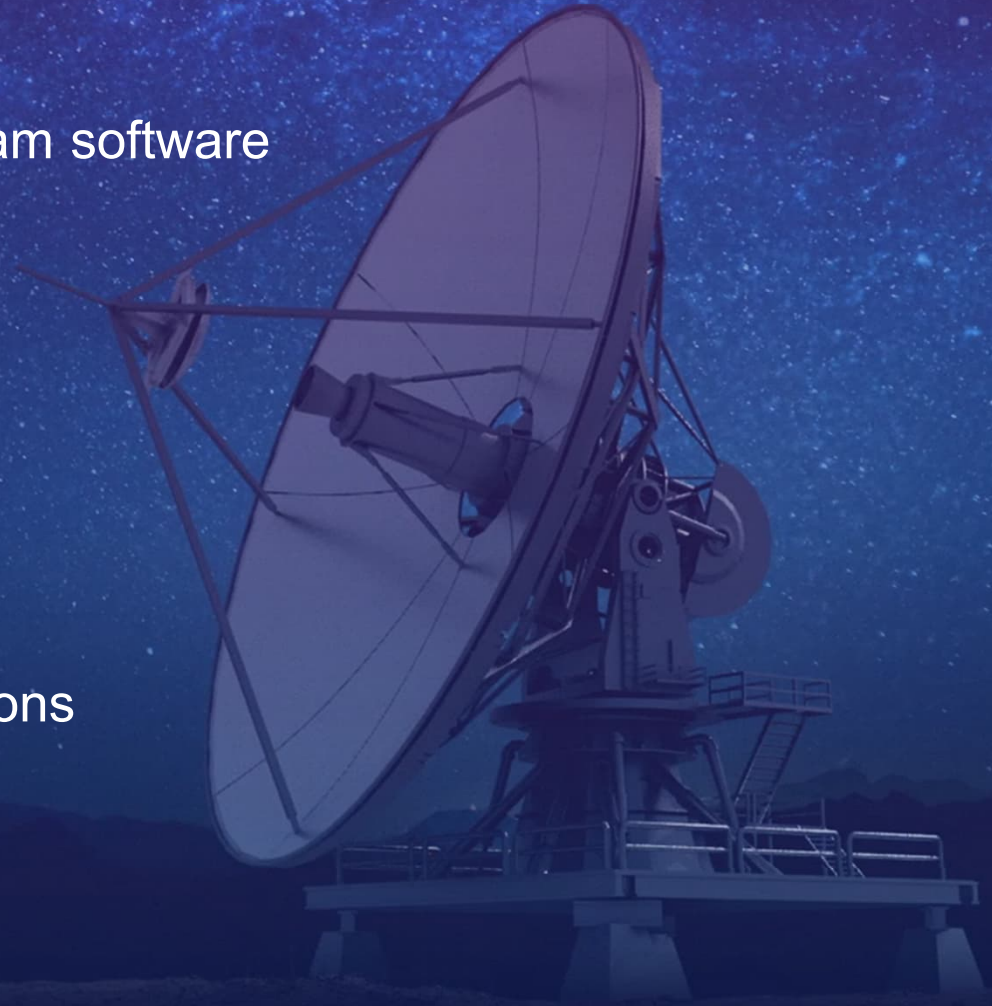


Submission of Earth Station Notices

Preparation of Earth Station filings using BR Sam software

Services provided within the submission of Earth Station notices:

- Capture of an E/S
- Creation of Coordination Contours
- Determination of Coordination Area
- Submission of E/S for Notification
- Preparation of Letters for Other Administrations



Spectrum Management Trainings and Consultancy

- Utilization of BR SAM
- BR IFIC Documents Analysis
- Preparation of Letters
- Determination of the Orbit
- Satellite Filings Preparation
- Analysis and Elimination of Interferences
- Earth Station Determination
- WRC-27 preparation assist and formulation of input documents
- Licensing practices: In-Flight Connectivity (IFC) licensing, Landing rights and etc.

Baku Teleport

- The only TIER-4 WTA-certified teleport in the region
- Signal reception capability via satellites and fiber
- Services: uplink/downlink, broadcasting, maritime, government, military, and corporate services
- More than 20 antennas (70% allocated for customers)
- Uplink services in C, Ku, Ka, S, and X bands, with no restrictions on other frequencies



Direct Receiving Station



- Hosting and co-location services
- Uplink services
- TT&C operations (Telemetry, Tracking and Command)
- Direct reception station
- Backup services
- Installation and consultancy services



Digital products



- Satellite-based crop monitoring
Weather forecasts and alerts
- Soil health analysis
- Customizable farm management tools



Cloud-based SaaS
that uses AI to
transform satellite
imagery into
actionable
geospatial
insights.

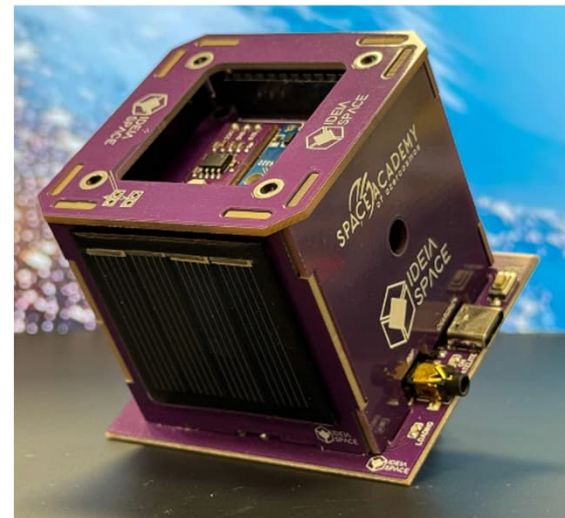


Web platform used
for creating, editing
and updating,
analyzing and
displaying local
geodata



Space
Monitoring of the
Effects of Global
Climate Change

SPACE Academy of Azercosmos



Our upcoming projects



**Azersky-2
program**



**Spacecraft
Development and
Production Centre**



Azerspace-3

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Thank you!

2026