

# **GIQ: Sovereign Geospatial Intelligence**

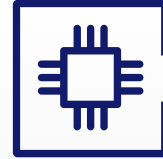
**Transforming Satellite Data into Strategic Advantage**

**A Space42 Company Product in Partnership with UAE Space Agency**

# SPACE42

## Yahsat Space Services

Business unit focuses on Upstream and Mid-stream infrastructure-centric activities, mainly covering Yahsat's satellite communications business



## Bayanat Smart Solutions

Business unit focuses on Downstream AI-enabled services and new technology incubation, mainly covering Bayanat's geospatial analytics business

### Expertise

Satellite communication  
(SatCom) services



Geospatial data acquisition and  
management

SatCom satellite and ground station  
operations and management



AI driven multi-intelligence  
leveraging geospatial data

Earth observation satellite<sup>(1)</sup> and ground station  
operations and management



Smart Autonomous Mobility

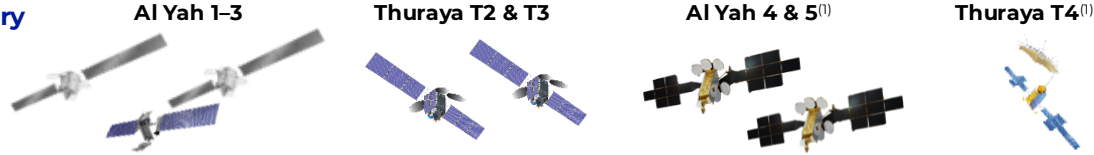
# Space42 Assets



6

Existing Satellites  
and 3 in pipeline

**Geostationary Orbit (GEO) Satellites**  
(36,000 km above Earth)



7

SAR Satellites

**Low Earth Orbit (LEO) Satellites**  
(160-2,000 km above Earth)

**SAR Constellation**



**Manufacturing in the UAE; successful flights**

**Stratosphere**  
(10-50 km above Earth)

**High-altitude Pseudo-Satellites (HAPS)**



**500,000+ km**

Distance traveled by Smart Mobility

**On-Earth**



Ground Station



4/5G communication network



Voice, data, tracking, Terminals. Land, Sea, Air



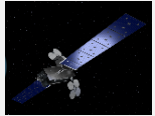
Smart Mobility (Autonomous)

# Multi-mission Satellite Services in 150+ Countries



## Infrastructure

Leasing of critical satellite capacity to UAE Armed Forces



## Managed Solutions (YGS)

O&M, consultancy and managed satellite connectivity solutions to Government entities and corporates



## Mobility Solutions (Thuraya)

Narrowband services (voice and data) and IoT/M2M solutions to various sectors (Gov., consumer, maritime, energy NGOs)



## Data Solutions (YahClick)

Broadband, backhauling, corporate networks, satellite capacity leasing and WIFI hotspots solutions



## Key facts & figures

Preferred partner for satellite solutions to UAE Government



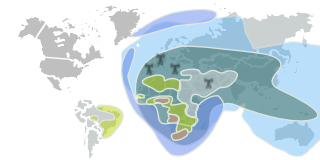
Operates since 1997 (Mobility Solutions)



No. 1 satellite broadband provider in Africa



150+ countries covered



4 billion people within mobile coverage





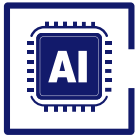
# The Challenge You Face

Traditional Geospatial Analysis: Complex, Expensive, Risky

Decision-makers are still struggling to turn this data into timely, actionable intelligence 



**Advanced analytics require sending sensitive data to international platforms**, raising sovereignty concerns.



**Traditional GIS systems lack AI capabilities**, making them slow, manual, and inaccessible to non-experts.



**Multiple tools create complexity**, integration headaches, and operational inefficiencies across organizations.



**Over-provisioning licensing models cause subscription waste** drain resources without delivering value.



Delayed decision-making leads to missed opportunities and competitive disadvantage 

# GIQ Solution Overview

GIQ: Sovereign AI-Powered Geospatial Intelligence

## Platform Components



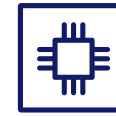
### Data Acquisition

Streamlined Acquisition of satellite imagery from global providers



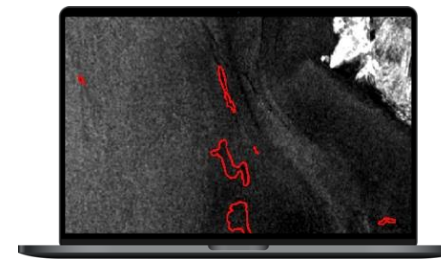
### Data management

Multi-source data management & collaboration



### AI Processing

Deploy world-class GEO AI models, develop custom models with no-code



### Reporting

Automatic Report generation and interactive story report generation



Providing access to data from global providers

**SPACE42**

**ICEYE**

**MAXAR**



**BLACK SKY**



**SATELLOGIC**

# GIQ democratizes geospatial intelligence for impactful use

GIQ can provide immense value throughout the value chain across sectors

## Sample Sectorial Use Cases



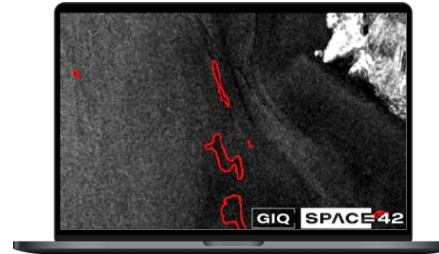
### Urban, Energy, and Transport Sectors

- Mapping and Monitoring infrastructure with precision
- Detect anomalies, plan upgrades, and optimize operations—all from space



### Environmental Monitoring

- On land: Track vegetation health, model wildlife habitats, and monitor deforestation.
- On water: Detect oil spills, monitor algae blooms, identify industrial outfalls—**before disasters**



### Disaster Response

- When floods strike or wildfires rage, gIQ delivers real-time situational awareness.
- Rapid mapping, damage assessment, and resource allocation—all powered by AI.



# GIQ Unique Value Proposition

GIQ: Sovereign AI-Powered Geospatial Intelligence

## Key Differentiators

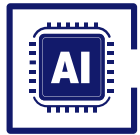
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**Complete data sovereignty**  
within UAE infrastructure



**Multi-source data fusion**  
(Optical, SAR, Hyperspectral)



**No-code AI model**  
development without data  
exposure



**Credit-based pricing** aligned  
with delivered value



**UAE Space Agency  
partnership** and local expertise

# Impact and Vision

GIQ: Supporting UAE Leadership in Space Technology

Operational cost reductions across multiple sectors, job creation and technology expertise development

**ECONOMIC BENEFITS**

وكالة الإمارات للفضاء  
UAE SPACE AGENCY



**FUTURE EXPANSION**

**REGIONAL IMPACT**



Africa



Central Asia



Southeast Asia

**STRATEGIC ALIGNMENT**

Alignment with the UAE space strategy, economic diversification goals





**Space42.ai**