



**Welcome Aboard!**

**SPACE=42**



**SPACE42**

## | BAYANAT + YAHSAT |

Established in UAE, on 01 October 2024

### **Our purpose:**

We pioneer beyond today, for humanity to experience a better tomorrow

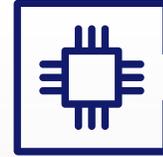
- **AI-powered SpaceTech** company with a Global reach.
- We are committed to enlightening the world from space through **innovative satellite space services and geospatial smart solutions.**

# SPACE 42

Two business units:

## SPACE SERVICES

A commercial Business unit focusing on Upstream and Mid-stream infrastructure-centric activities, mainly covering **satellite communications**



## SMART SOLUTIONS

A commercial Business unit focuses on Downstream AI-enabled services and new technology incubation, mainly covering **geospatial analytics**

## 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

**Note:** (1) In the near future Business units detailed in next slides

# Space Services



The Space Services focuses on upstream satellite operations for both fixed and mobility satellite solutions



## Government Solutions

Space42 provides robust, secure satellite communication solutions for government and mission-critical applications. Our services cover land, sea, and air, offering highly secure, reliable, and flexible coverage for defense, law enforcement, border monitoring, and emergency services



## Mobility Solutions

Space42's [Thuraya](#) offering provides reliable communication solutions for land, sea, and air, including industrial and consumer satellite phones, broadband terminals, and IoT solutions. Ensuring seamless connectivity in remote areas, Thuraya supports real-time data transmission, asset tracking, and critical communication for government and commercial clients



## Data Solutions

Space42's [YahClick](#) offering provides high-speed, reliable internet connectivity for remote and underserved areas, ensuring seamless communication for businesses and government entities. Providing broadband, backhauling, and corporate network services, YahClick supports efficient data transmission, critical operations, and enhanced productivity

# Smart Solutions



The Smart Solutions business unit generates actionable meaningful insights



## Data Acquisition

The foundation of our Data Acquisition process is built on our unique access to differentiating data sources and assets

We are the trusted partner for geospatial data, collected through traditional aerial, mobile, hydro, and geodesy and field surveys. These are complemented through our proprietary SAR satellite constellations and High-Altitude Platform Stations (HAPS)



## Data Processing

Our core strength lies within the advanced data analytics capabilities and GIQ platform offerings.

We are able to predict trends and scenarios, facilitate rapid organizational collaboration and decision-making, and streamline data analysis through customizable workflows. This ensures our clients receive precise, actionable data tailored to their specific needs.

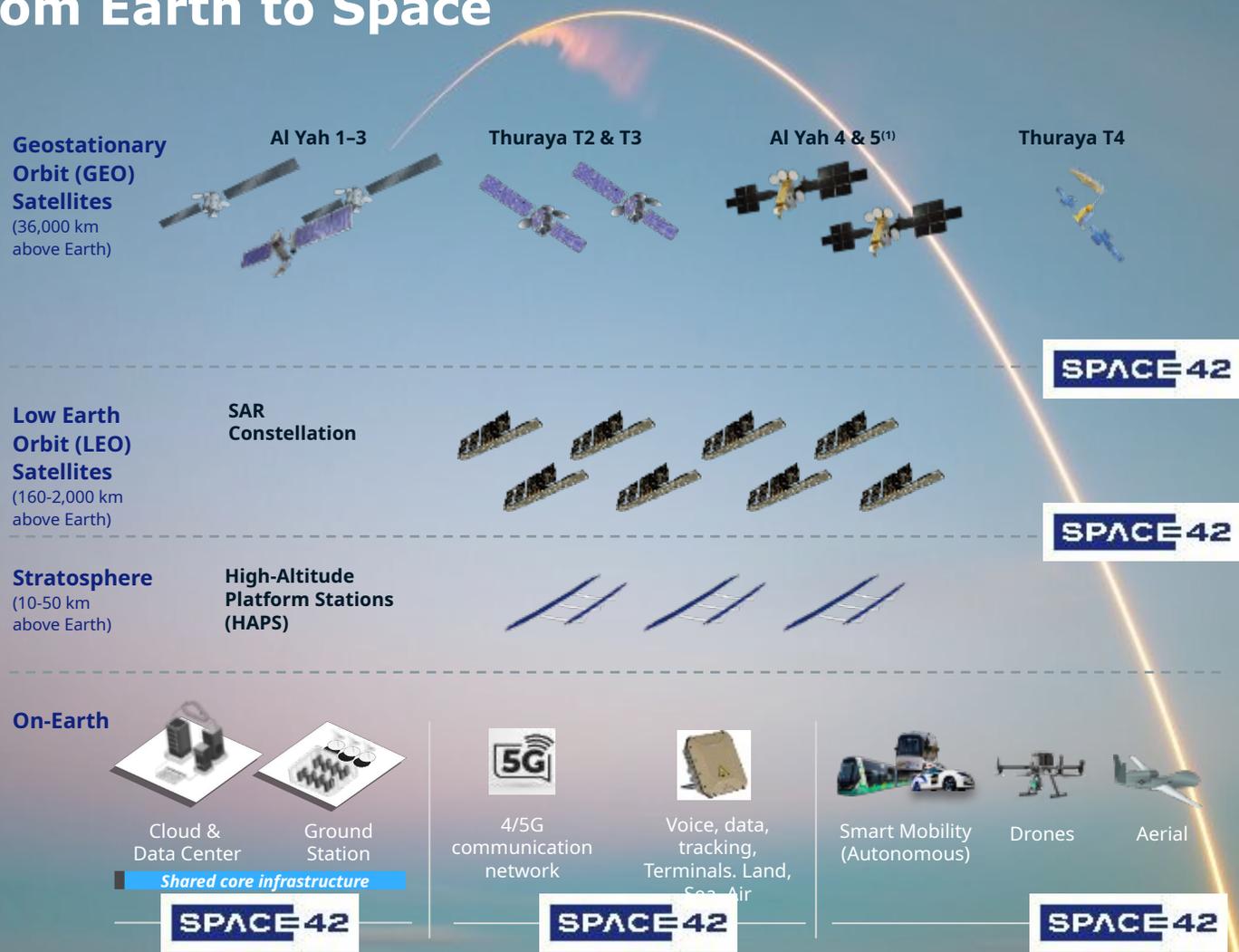


## AI Services

Leveraging the power of AI, we apply the data collected and processed to help inform industry specific solutions.

We offer a number of advanced services including GIX for operational efficiency and AID for crisis management. Our offerings continue to evolve and expand to support our customer's growing needs.

# Space42 assets cover the entire value chain – from Earth to Space



**Unlocked synergies**

Note: (1) Assets in pipeline

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**5**  
Existing Satellites and 2 in pipeline

**8**  
SAR Satellites<sup>(1)</sup>

**Manufacturing in the UAE; successful flights**

**500,000+ km**  
Distance travelled by Smart Mobility

**GIQ SPACE42**

## AI Multi-intelligence Platform

**SPACE42** Integrated for SatCom and Geospatial

AI driven multi-intelligence platform, GIQ, integrates data from space and ground assets for:

- Optimized decision making
- Enhanced situational awareness
- Improved operational effectiveness

Example: AI assessment of earthquake damage





# BOUNTY CHALLENGE



# CHALLENGE OVERVIEW

**Challenge Title:** Designing an AI Agent for Candidate Experience and Onboarding at Space42

**Overview:**Space42 is exploring how AI-powered agents can transform candidate and new-hire interactions. Today's journeys rely on static career pages, FAQs, and onboarding documents that lack personalization and clarity. This often leads to confusion, repetitive queries, and fragmented experiences. As candidate volumes grow, HR and Talent teams must scale engagement without increasing operational overhead. This challenge invites participants to redesign the journey with intelligent, human-centric, enterprise-ready AI agents.

**Field / Domain:** Artificial Intelligence, HR Technology, Conversational AI, Digital Experience Design

## Prizes:

- 1st Place: 5,000 AED
- 2nd Place: 3,000 AED
- 3rd Place: 2,000 AED



Google Developer Group

University of Birmingham

Dubai

The Bounty Challenge 2026

# WHAT YOU ARE REQUIRED TO DO

Design and prototype an AI-powered agent that enhances the end-to-end candidate experience, from initial exploration of career opportunities to early-stage onboarding at Space42.

The solution should act as a digital guide that provides clear, contextual, and conversational support to candidates and new hires, while reducing repetitive workload for HR teams and ensuring consistent information delivery at scale.

## **The solution should:**

- Act as a digital guide for candidates
- Respond accurately using the provided company and onboarding content
- Demonstrate conversational quality, clarity, and relevance
- Show how the solution could scale and evolve in a real enterprise environment



Google Developer Group

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The Bounty Challenge 2026

# BUSINESS IMPACT

- Should Improve Candidate Experience
  - Clear, accessible guidance at every stage
  - Reduced uncertainty and friction
  - Stronger employer brand perception
- Operational Efficiency
  - Should reduce repetitive HR inquiries
  - Lower support workload without increasing headcount
- Scalability
  - Supports large candidate volumes with consistent quality
  - Easily extendable to internal employee onboarding and HR support



# SOLUTION REQUIREMENTS

## Technology Requirements

- No mandatory proprietary tools
- Any external APIs or services used must be clearly documented
- Solutions should be deployable locally or via a simple cloud setup

## Use of AI

The solution must demonstrate the use of an AI-powered agent, focusing on:

- Reasoning
- Explainability
- Conversational interaction
- Practical application in an enterprise HR context



# JUDGING CRITERIA

Solutions will be evaluated based on:

- Relevance to the problem statement
- Quality of AI interaction and responses
- User experience and conversational flow
- Technical soundness and architecture
- Innovation and practical applicability
- Clarity of presentation and demo

## **MODE OF SUBMISSION:**

Teams must submit:

- A GitHub repository containing source code
- A short presentation (PDF or slides) explaining the solution

*(Optional)* Demo video (2–3 minutes)

