

NEWSPACE MARKET • COMPANY PROFILE

BrightenX Space

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SERVICES

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as of 3 October 2026



BrightenX Space

BrightenX Space is a Saudi company developing space technologies and solutions across satellites, software, data, consulting and technical projects. It designs and integrates satellite technologies, space systems and mission software, and supports government entities, companies and universities from mission definition through design, integration, testing, launch readiness and operations. Main areas: - Satellites & Space Missions — platform selection, mission design and systems engineering, payload and subsystem integration, AIT, environmental testing and qualification, launch readiness and launch coordination. - Space Software & Data — mission control, ground station software, flight software, mission planning and simulation, digital twins, satellite data processing and analytics with sector applications. - Space Consulting & Solutions — sector strategy, feasibility studies, custom solution design, vendor selection, programme management, localisation and technology transfer. - BrightenX Space Technology Lab — R&D, prototyping, testing and applied education; technology competitions and events. A portfolio of products (CubeSat platforms, ground stations, mission control platforms and subsystems) is being prepared; procurement details will be announced by the company.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Assembly, Integration & Test (AIT)

Support spacecraft assembly, system integration, interface verification and functional performance.

BrightenX Space Technology Lab

An environment for R&D, prototyping, testing and applied education in space technology.

Custom Solution Design

Design satellite, software and data solutions around project needs and use cases.

Digital Twin

Digital models for system and operational simulation, testing, verification and training.

Environmental Testing & Qualification

Plan vibration, thermal, thermal-vacuum, EMC and functional testing around mission requirements.

Feasibility Studies

Assess the technical, operational and commercial feasibility of space projects and missions.

Flight Software

Manage spacecraft operations and subsystems, execute commands and process onboard data.

Ground Station Software

Schedule passes, manage spacecraft links, and receive and process telemetry data.

Launch Coordination & Support

Coordinate technical documentation with launch providers and follow integration and readiness requirements.

Launch Readiness Review

Review technical requirements, mass, dimensions, documentation and launch-vehicle interfaces before delivery.

Localization & Technology Transfer

Develop models for localization, capability building, knowledge transfer and local value-chain growth.

Mission Control & Management Platform

Monitor spacecraft status, manage commands and telemetry, and oversee operational workflows.

Mission Design & Systems Engineering

Define mission requirements, develop the CONOPS, establish the system architecture and verification paths.

Mission Planning & Simulation

Plan orbits and operating scenarios and simulate mission performance before execution.

Payload & Subsystem Integration

Align payloads with power, communications, computing, structure and operating requirements.

Program & Project Management

Manage scope, phases, risk, schedules and stakeholders while following execution.

Small-Satellite & CubeSat Platforms

Select and configure the right small-satellite or CubeSat platform around mission, payload and operational requirements.

Space Data Processing & Analytics

Process satellite data and extract indicators and intelligence with analytics and AI. Sector applications: agriculture and food security; security and defence; maritime, ports and navigation; cities and urban planning; e

Space Sector Strategy

Develop strategies and roadmaps and define priorities, initiatives and execution plans.

Technical Support & Vendor Management

Evaluate solutions and suppliers, review proposals and requirements, and support scope and contracting decisions.

Vendor & Partner Selection

Evaluate capabilities, solutions and technical proposals and select the right suppliers and partners.

Contact BrightenX Space

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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