

NEWSPACE MARKET · COMPANY PROFILE



Orbitworks

United Arab Emirates · founded 2024 · orbitworks.space

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as of 20 August 2026



Orbitworks

Orbitworks designs, builds, and operates AI-enabled satellites and related infrastructure. The company manufactures the Altair AI-enabled Earth Observation constellation in Abu Dhabi, which combines multiple sensor types with onboard processing to deliver intelligence from orbit. Orbitworks also builds mission infrastructure including a payload adapter that supports bus- and payload-agnostic missions, multi-sensor fusion capabilities, on-orbit edge computing and AI integration, and Cockpit Mission Control Software. They provide fully integrated satellite programs, software deployment, and on-demand data access. Orbitworks supports defence, civil, and commercial missions, including applications for persistent intelligence, RF awareness and monitoring, border and maritime monitoring, disaster response, environmental and land monitoring, national infrastructure oversight, asset and site monitoring, supply chain and route visibility, and forecasting and operational data services. Their customers include organizations planning national programs, developing commercial missions, and those exploring access to space infrastructure. Orbitworks is headquartered and manufactures in Abu Dhabi, UAE, with a facility in KEZAD. The company was established in 2024 to build satellite integration and mission capability in the UAE.

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SERVICES

Services

Assembly, Integration & Testing Orbitworks provides comprehensive Assembly, Integration & Testing (AIT) services, bringing together spacecraft systems, payloads, and supporting hardware for validation and pre-launch confidence.	Environmental Testing Orbitworks conducts environmental testing using chambers to verify spacecraft and component performance under challenging temperature and humidity conditions.
On-Demand Missions Orbitworks offers On-Demand Missions, providing fast access to sensing, data, and connectivity through existing on-orbit infrastructure without requiring customers to build or launch a dedicated satel	Thermal Vacuum Testing Orbitworks conducts thermal vacuum testing to assess system performance in space-like vacuum conditions, aiding in qualification.
Vibration Testing Orbitworks performs vibration testing to validate how spacecraft or components respond to launch-like mechanical stress, enhancing reliability confidence.	

Product catalogue



ORBITWORKS

Altair AI-Enabled Earth Observation Constellation

AI-enabled EO constellation designed, built and operated in Abu Dhabi - the Middle East's first satellite manufacturing hub.

Type	AI-enabled Earth observation constellation
Processing	Multi-sensor fusion with onboard AI processing
Manufacturing	Designed, integrated and tested in Abu Dhabi, UAE

price on request

Contact Orbitworks

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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