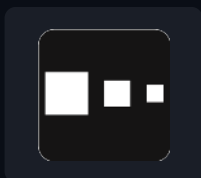


NEWSPACE MARKET · COMPANY PROFILE



Space DOTS

United Kingdom · founded 2022 · space-dots.com

5

PRODUCTS

5

SERVICES

newspacemarket.com/companies/space-dots-space-dimensionally-optimized-technology-satellites-spacedots/

as of 20 August
2026



Space DOTS

Space DOTS (legally Space Dimensionally Optimized Technology Satellites Ltd, a UK subsidiary of Space DOTS Inc., USA) was founded in 2022 by CEO Bianca Cefalo, a former thermofluid dynamics analyst on NASA's InSight Mars mission and product manager at Airbus Defence and Space's telecommunications satellite division. The company was created to address a gap in industry practice: roughly 15 percent of spacecraft experience anomalies or failures due to inadequate understanding of actual, as opposed to simulated, orbital environmental conditions. Space DOTS builds SKY-I, an intelligence platform that fuses proprietary in-orbit sensor data with external data sources to deliver real-time space environmental intelligence across the mission lifecycle. SKY-I is composed of three modules: SkyLens for 2D/3D visualization of radiation zones, debris fields and atmospheric density; SkyBlueprint, an AI-powered mission planning tool that evaluates environmental hazards and recommends design and operational adjustments; and SkyWard, a threat attribution and early-warning system distinguishing natural space weather from adversarial or anomalous activity. The company also designs and operates its own hardware, Data DOTS, compact in-orbit sensing payloads measuring radiation, electromagnetic interference and other environmental signals that feed data back into SKY-I. The first Data DOT payload launched in January 2025 aboard a SpaceX mission, flying as a hosted payload on D-Orbit's ION Satellite Carrier into a sun-synchronous LEO. Space DOTS serves both commercial spacecraft operators and defence customers, positioning itself in the space environmental intelligence category. The company has raised \$3.2 million in total funding, most recently a \$1.5 million seed round led by Female Founde

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SERVICES

Services

Data Analytics for Space Environments Space DOTS offers data analytics services to process and interpret space environmental data, providing actionable insights for mission operations.	Environmental Monitoring Space DOTS offers environmental monitoring services to track live orbital conditions, satellite positions, and environmental hazards.
Mission Planning Support The company offers mission planning support, leveraging its SKY-I platform to provide actionable intelligence and reduce planning bottlenecks.	Professional Services for Specific Requirements Space DOTS offers professional services for customers with specific space environmental intelligence requirements.
Space Environmental Intelligence Solutions Space DOTS provides comprehensive space environmental intelligence solutions, including data analytics, environmental monitoring, and mission planning support.	

Product catalogue



SPACE DOTS

Data DOTS

Compact, intelligent in-orbit sensing payloads measuring radiation and electromagnetic interference to feed the SKY-I platform.

Measured parameters	Radiation levels, electromagnetic interference
Function	In-orbit environmental sensing, data relay to SKY-I platform
Flight heritage	First unit launched January 2025 as hosted payload on D- Orbit ION Satellite Carrier, sun-s

price on request



SPACE DOTS

SkyBlueprint

SkyBlueprint is an AI-powered mission planning module that transforms manual analysis into intelligent insights, enabling operators to design optimal mission profiles with comprehensive

Data sources	Proprietary Data DOTS sensors plus external environmental data sources
Access	API access, demo booking
Modules	SkyLens, SkyBlueprint, SkyWard

price on request



SPACE DOTS

SkyBlueprint™

SkyBlueprint™ is a mission planning software that automates the evaluation of environmental conditions across proposed flight paths to optimize spacecraft design and mission parameters

Function	AI-powered environmental hazard evaluation and mission-planning recommendations
Data integration	Real-time Data DOTS sensor data plus predictive modeling
Use cases	Constellation deployments, interplanetary missions, defence operations

price on request



SPACE DOTS

SkyLens™

SkyLens™ is a software platform that visualizes real-time orbital conditions through intuitive 2D and 3D displays, making complex space environmental data accessible for mission planning

Visualization types	Radiation-zone mapping, debris-field tracking, atmospheric-density visualization
Rendering	Interactive 2D/3D
Use cases	Mission planning, situational awareness, threat pattern identification

price on request



SPACE DOTS

SkyWard™

SkyWard™ is a software platform that continuously monitors space environmental anomalies, analyzes their origins, and provides rapid attribution to enable appropriate operational r

Function	Threat attribution and early-warning for space environmental anomalies
Detection method	Pattern-recognition algorithms combined with Data DOTS sensor data
Use case	Asset-protection decisions in contested orbital environments

price on request

Contact Space DOTS

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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