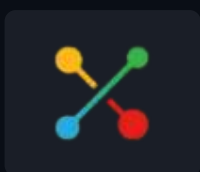


NEWSPACE MARKET · COMPANY PROFILE



Xavier Space Solutions (XavSat)

Ghana · founded 2017 · xavsat.space

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WITH DATASHEETS

newspacemarket.com/companies/xavier-space-solutions-xavsat/

as of 20 August 2026



Xavier Space Solutions (XavSat)

Xavier Space Solutions (XavSat), branded publicly as X Space Solutions, is Ghana's first private space and satellite science company, founded in 2017 and headquartered in Accra. The company designs and manufactures small satellite platforms with a focus on PocketQube nanosatellites in 1P-3P (modular 5 cm form factor) configurations, offering custom-built PocketQube development, ready-to-fly satellite units, payload integration modules, and CanSat educational kits. XavSat's flagship mission, XavSat-1, is Ghana's first privately developed PocketQube satellite, carrying a quantum temperature-and-pressure profiling payload on a 1P chassis with passive bar-magnet attitude control, a deployable 437 MHz UHF dipole antenna, and a mass under 250 g. The company is pursuing a phased '2030 Constellation Roadmap': Phase I (2024-2025) prototype validation and Pathfinder launches, Phase II (2026-2028) batch deployment of a 40+ satellite regional West Africa constellation, and Phase III (2029-2030) a full 100+ mini-satellite network aimed at closing Africa's digital connectivity divide. Beyond hardware, XavSat runs applied research programs in orbital debris tracking and risk mitigation, remote sensing for agriculture, light-pollution and debris observation, near-Earth-object impact vulnerability assessment, deforestation monitoring in Ghana's Krokosua forest reserve, and low-cost Earth observation using modified COTS cameras. Its space-education arm includes the SheSat Ghana program for women in STEM and satellite technology (run with KNUST's Physics department), CanSat Ghana, and the Ghana CanSat Rocketry Championship (GCRC). Through affordable, modular PocketQube technology and a strong emphasis on training and capacity building, Xavier Space Solutions positions itself as a drive

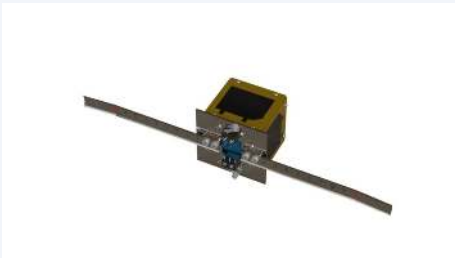
This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Consulting Services We provide consulting services to governments, educational institutions and other organizations on space-related projects & initiatives.	Custom-built PocketQube Development We design and manufacture miniature satellites tailored to specific client requirements, such as Earth observation, communication & scientific research.
Ground Station Services We provide ground station infrastructure and operations for satellite communication, tracking and data reception.	Satellite Data Processing and Analysis We process and analyse satellite data to extract valuable insights for clients in various sectors, such as agriculture, environmental monitoring & disaster relief.
Satellite Testing and Validation We offer testing and associated procedures to ensure satellite functionality and reliability.	

Product catalogue



XAVIER SPACE SOLUTIONS (XAVSAT)
MINIATURE SATELLITES (PocketQubes)

XavSat offers PocketQube satellites (1P to 3P) as low-cost, high-reliability platforms for rapid orbital deployment, available as educational kits or ready-to-fly professional-grad

PocketQube	1P Chassis (for XavSat-1)
Payload (XavSat-1)	(Quantum temperature & pressure payload)
Average Payload Power (XavSat-1)	~ 1 W
Altitude Control (XavSat-1)	Passive Bar Magnet
Mass (XavSat-1)	<250 g
Antenna (XavSat-1)	Deployable 437 MHz UHF dipole antenna
Payload Data Downlink (XavSat-1)	1.2kb/s (UHF)

price on request

datasheet



XAVIER SPACE SOLUTIONS (XAVSAT)
XavSat PocketQubes (1P to 3P)

XavSat offers miniature PocketQubes (1P to 3P) as low-cost, high-reliability platforms for rapid orbital deployment, available as educational kits or ready-to-fly spacecraft.

PocketQube	1P Chassis (XavSat-1 Mission)
Payload (XavSat-1 Mission)	Quantum temperature & pressure payload
Average Payload Power (XavSat-1 Mission)	~ 1 W
Altitude Control (XavSat-1 Mission)	Passive Bar Magnet
Mass (XavSat-1 Mission)	<250 g
Antenna (XavSat-1 Mission)	Deployable 437 MHz UHF dipole antenna
Payload Data Downlink (XavSat-1 Mission)	1.2kb/s (UHF)

price on request

datasheet

Contact Xavier Space Solutions (XavSat)

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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<https://xavsat.space/>

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