



KUVA SPACE

Kuva Space press kit

Improving life on Earth with proprietary spaceborne
hyperspectral innovation and services

October 2023

OTAKAARI 5 / A GRID,
02150 ESPOO, FINLAND

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Company information

Kuva Space, a Finland based new space Earth Observation company is led by CEO, Jarkko Antila. Kuva Space has representation in Belgium, UK, USA, and Japan.

Registered name: Kuva Space Oy

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Social media channels:

LinkedIn: <https://fi.linkedin.com/company/kuva-space>

X: <https://twitter.com/KuvaSpace>

About Kuva Space

End-to-end spaceborne analytics service provider

Founded in 2016 in Espoo, Finland, Kuva Space is building the world's first extensive microsatellite constellation with patented hyperspectral camera technology to collect gapless data aimed to solve the world's most pressing issues, such as climate change, food security and safety & security. Combined with its AI-driven analytics platform, Kuva Space delivers reliable, timely, global insights and foresights that transform rich spaceborne data into actionable insights users can use for efficient resource management, optimize operations, and improve profitability sustainably. Core new services Kuva Space will bring to market starting 2024: global crop forecast, crop health monitoring, environmental monitoring, biodiversity index, carbon (forest, agri and blue carbon) sequestration verification and situational awareness.

For more information, visit www.kuvaspace.com and connect with us on [LinkedIn](#)



# Satellites	100
Spectral Range	400 – 2500nm
Revisit Rate	2026 – Daily 2030 – 3/Day
Spatial Resolution	10m – 20m
Data Delivery Time	2 – 3h

Our solution

-  **World's largest hyperspectral satellite constellation** for superior coverage and data quality
-  **Proprietary microsatellite and hyperspectral camera technology**
-  **Automated AI platform** delivers global daily insights

Facts and figures

Kuva Space has an international team of close to 20 employees, with representation in Finland, Belgium, Japan, United States, and United Kingdom. Jarkko Antila is the current CEO.

To date Kuva Space has raised 22.5M€ of funding from private investors and public entities.

Founding Year: 2016

Number of employees: 23

Founders

Tuomas Tikka, CTO, Co-founder, and previous CEO of Kuva Space

Janne Kuhno, Lead Engineer, Co-founder of Kuva Space

Board members

Inka Mero, Voima Ventures (Chairperson), Jari Tuovinen, Nordic Foodtech, Juha-Matti Liukkonen, Reaktor, Tuomas Tikka, Kuva Space

Investors

Voima Ventures, Nordic foodtech, VTT, Earth VC, private investors

Management team

Daniel Landau, Michal Shimoni, Jarkko Antila, Tuomas Tikka, Malathy Eskola



Key people bio

Jarkko Antila

CEO, Kuva Space

Jarkko Antila is the CEO of Kuva Space, a Finnish Earth observation company in Europe. He has a strong background in deep-tech entrepreneurship and a proven track record in product innovation, fundraising, and effective leadership. Jarkko's experience includes leading technology teams at renowned organizations like the Finnish Research Center (VTT) and Inficon. He co-founded Spectral Engines, a successful spectral sensor company, where he served as CEO for six years before its exit. Prior to his role at Kuva Space, Jarkko founded Leaping Boulder, a deep-tech business consultancy firm.

With a Master's degree in Space Technology, he has been involved in various space projects, including the development of hyperspectral payloads for satellite missions such as OMI and Aalto-1. Jarkko brings his extensive expertise and passion for space technology to drive innovation and business growth at Kuva Space.

Tuomas Tikka

CTO, Co-founder, Kuva Space

Tuomas Tikka is an award-winning pioneer of small satellite technology with 10+ years of experience in spacecraft development and space-based solutions. During his Ph.D. studies at Aalto University from 2012 to 2016, he played a key role in Finland's first satellite projects, Aalto-1 and Aalto-2, showcasing his expertise in small satellite technology.

Tuomas received Finland's Engineer of the Year award in 2018 for his contributions to small satellite know-how and commercialization. As the co-founder and former CEO of Kuva Space, Tuomas led the successful development and launch of three satellite missions, which included the world's first CubeSat-compatible infrared hyperspectral camera. He also served as Finland's Head of Delegation in the ISO/TC20/SC14 Space Systems and Operations standardization body. As the CTO of Kuva Space, he is leading the development of advanced hyperspectral solutions that provide actionable insights for global challenges such as climate change and food security.

Company history

From student satellite projects to building the world's most extensive hyperspectral satellite constellation

Kuva Space, previously known as Reaktor Space Lab, was founded in 2016 by Tuomas Tikka and Janne Kuhno in collaboration with Reaktor, a Finnish IT and software consultancy company. Following the success of the Aalto-1 and Aalto-2 student satellite projects, Kuva Space developed and launched three successful satellites. The Reaktor Hello World satellite was groundbreaking, as it housed the world's first CubeSat-compatible infrared hyperspectral camera, allowing for precise and detailed imaging of Earth's surface.

Kuva Space has secured €6.5 million in funding from several investors, including Reaktor Ventures, Voima Ventures, Nordic Foodtech VC, VTT Technical Research Centre of Finland, ESA Philab, and Business Finland. Their first commercial hyperspectral satellite, Hyperfield-1, is set to launch in Q2 2023. Additionally, the company has developed an in-house AI-powered data analytics platform that will extract valuable information for various industries such as agriculture, finance, insurance, carbon, environment, safety, and security.

Kuva Space aims to launch the world's most extensive constellation of 100 commercial hyperspectral satellites to provide unparalleled coverage and insights for sustainable solutions. With three successful satellite missions, leading space, camera, and AI technology innovations, and investor support, Kuva Space is poised to shape the future of Earth observation and make a lasting impact on our planet.

"Kuva Space, with its proven space heritage, is pioneering near real-time services using proprietary hyperspectral data. By filling a significant knowledge gap at the molecular level, we provide invaluable insights for industries worldwide."

Jarkko Antila, CEO

Images in the kit

- 1) Kuva Space logo in green, white, and black

- 2) People photos
 - Jarkko Antila, CEO of Kuva Space
 - Tuomas Tikka, CTO, co-founder of Kuva Space
 - Kuva Space team
 - Kuva Space management

- 3) Technology photos/ video
 - Hyperfield- 1: The first hyperfield satellite of the 100-satellite constellation
 - Hyperfield -1: Constellation image
 - Constellation video showcasing Kuva Space gapless data collection

For additional information

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