

NEWSPACE MARKET · COMPANY PROFILE



Reflex Aerospace

Germany · founded 2021 · reflexaerospace.com

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as of 20 August 2026

Reflex Aerospace

Reflex Aerospace GmbH was founded in May 2021 in Munich, Germany by Walter Ballheimer, Christian Lindener, and Alexander Genzel, on the premise that NewSpace manufacturing methods had not kept pace with the performance and reliability of classic space programs. The company opened its Berlin design office in the Friedrichshain district later that year and has since grown to more than 110 employees across 25 nationalities. Reflex builds custom, payload-agnostic satellite platforms in the 75-500 kg class for low Earth orbit, marketed under the OmniFlex product family (baseline OmniFlex, high-precision OmniFlex HiPr, high-resolution EO OmniFlex UltraSharp, multi-payload OmniFlex DataSphere, and SAR-focused OmniFlex TSAR). The company calls its approach "NextSpace": combining the customizability of traditional space programs with NewSpace-style rapid manufacturing, generative design and additive manufacturing, targeting contract-to-delivery timelines of around 12 months. All components are sourced ITAR-free to reduce export-control overhead. Manufacturing is centered on a verticalized "MicroFactory" model: a Berlin design center (electronics lab, mechanics workshop, MGSE/EGSE ground support equipment) handles prototyping and design, while a Munich MicroFactory (completed December 2024, ISO 7 clean room, cell-manufacturing concept) handles assembly, integration and test with an initial capacity of 12 satellites per year, planned to expand to 80+ satellites per year. Reflex achieved flight heritage in January 2025 when its SIGI satellite launched on SpaceX Transporter-12, and has since signed commercial contracts including MIRI for Marble Imaging (a 200-satellite Earth observation constellation), OPTIMAS for Navantia/the European Defence Fund (laser communications), and Twi

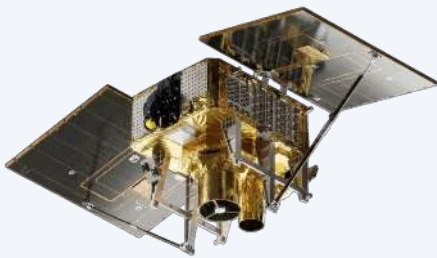
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SERVICES

Services

Custom Satellite Design and Build Reflex Aerospace designs and builds custom 75-500 kg satellites for LEO, tailored to specific mission needs and dual-use applications.	Mission Success Support Reflex Aerospace assists customers in achieving mission success by delivering power and performance that meet user, customer, and investor requirements.
Rapid Design and Assembly of Adaptable Satellite Platforms Reflex Aerospace offers rapid design and assembly of adaptable satellite platforms, leveraging advanced manufacturing and innovative design techniques to cut lead times.	Satellite Bus Customization around Payload Needs Reflex Aerospace custom designs the satellite bus around the customer's specific payload needs, facilitating rapid deployment.

Product catalogue

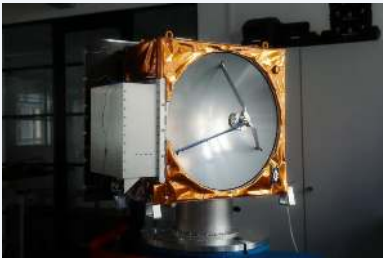


REFLEX AEROSPACE
MIRI Earth Observation Satellite

Custom very-high-resolution Earth observation satellite built for Marble Imaging, first of a planned 200-satellite constellation.

Total mass	Approx. 145 kg
Orbit	500 km Sun Synchronous Orbit
LTAN	10:30
Mission duration	3 years (5 years optional)
Peak power	1200 W
Usable battery capacity	780 Wh
Solar array nominal power	600 W

price on request



REFLEX AEROSPACE
OmniFlex Satellite Platform Family

Payload-agnostic 75-500 kg custom satellite bus family for LEO, built for 12-month contract-to-orbit delivery.

Satellite mass range	75-500 kg
Orbit	Full range of LEO
Design lifetime	3+ years (baseline), 7+ years (OmniFlex HiPr)
Payload mass	Up to 250 kg
Power	Hundreds of watts up to several kilowatts
Architecture	Agile 3-axis stabilized
Onboard computer	Reflex ARC (Autonomous Reconfigurable Computer), multi-core ARM-based architecture

price on request



REFLEX AEROSPACE
SIGI Satellite Mission

SIGI is a 109 kg remote sensing satellite developed by Reflex Aerospace, showcasing a flight-proven platform for demanding space missions, validated after over a year in orbit.

Orbit	510 km Sun Synchronous Orbit (~97,4° inclination)
Local time of the ascending node (LTAN)	22:30
Planned mission duration	1-year
Total mass	109 kg
Peak power	900 W
Usable battery capacity	500 Wh
Solar array nominal power generation	330 W

price on request



REFLEX AEROSPACE
Twinspector Earth Observation Constellation

Pair of high-resolution stereo-imaging satellites built for LiveEO to monitor critical infrastructure across Europe.

Total mass	Approx. 350 kg (per satellite)
Orbit	500 km Sun Synchronous Orbit
LTAN	22:30
Mission duration	5 years
Usable battery capacity	870 Wh
Solar array nominal power	715 W
S-band TMTC	1 Mbit/s downlink, 448 kbit/s uplink

price on request

Contact Reflex Aerospace

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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