

NEWSPACE MARKET · COMPANY PROFILE



SWISSto12

Switzerland · founded 2011 · swissto12.com

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as of 3 September 2026



SWISSto12

SWISSto12 designs and manufactures advanced payloads, active phased array antennas, and RF products for LEO, MEO, and GEO orbits, utilizing 3D printing technology. Their product lines include HummingLink for complex payload and active antenna systems, and HummingSat, a commercial Geostationary small satellite. The company offers deep payload customization based on modular architecture. SWISSto12's technology enables the design and manufacture of lightweight antennas, RF filters, and waveguides. They hold the largest IP portfolio for Space RF products based on 3D printing. Customers include commercial operators and governments. The company is headquartered in Switzerland, with additional teams in California, Washington DC, Denmark, and Spain. It was founded in 2011 as a spinoff from EPFL. SWISSto12 has over 1,000 3D-printed RF products in orbit with proven performance across the L to Q-V band spectrum, and over 2,000 products already in orbit. The first HummingSat is scheduled to launch into Geostationary orbit in 2027. The company has secured \$150 million in contracts.

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SERVICES

Services

Custom-built RF and Satellite Communication Solutions

SWISSto12 provides custom-built solutions for advanced RF and satellite communications, aiming to achieve lighter, more efficient, and resilient systems.

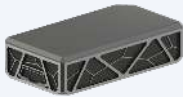
Design and Manufacture of Payloads

SWISSto12 partners with customers to design and manufacture advanced payloads for their missions, utilizing 3D printing technology for optimal performance.

Payload Customization

SWISSto12 offers deep customization of satellite payloads based on a modular architecture, enabling high performance through design flexibility and integration of 3D printing with electronics and soft

Product catalogue



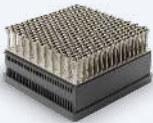
SWISST012

Horn Arrays

SWISSTo12 Horn Arrays are 3D printed, monolithic, high-gain waveguide-based horn arrays designed for mechanically steered systems, offering lightweight and high RF performance.

Gain (Ka High Gain)	36 dBi @ 20 GHz & 39.5 dBi @ 30 GHz
G/T (Ka High Gain)	> 12.5 dB/k
Mass (Ka High Gain)	< 5 kg
Gain (Ka Medium Gain)	33 dBi @ 20 GHz & 36.5 dBi @ 30 GHz
G/T (Ka Medium Gain)	> 10 dB/k
Mass (Ka Medium Gain)	< 1.5 kg
Gain (Ka Low Gain)	30 dBi @ 20 GHz & 33.5 dBi @ 30 GHz

price on request [datasheet](#)



SWISST012

HummingLink

The HummingLink line of advanced payload technologies and RF products are high-performance, high-availability solutions built for any mission, on any platform, in any orbit.

price on request [datasheet](#)



SWISST012

HummingSat

HummingSat is the world's first commercial geostationary small satellite, offering an agile, cost-effective platform for advanced SATCOM payloads.

Wet mass	< 500 kg
Orbit	Geostationary (GEO)
Propulsion	All-electric
Payload power	3.5 kW
Frequency bands	Ku, Ka, Q, V
Design life	15 years
Flight heritage	HOTBIRD 13F, 13G (Eutelsat)

price on request [datasheet](#)



SWISST012

HummingSat Microsatellite Platform

SWISSTo12 is a Swiss company specializing in 3D-printed RF hardware and compact satellite platforms. Its flagship product, HummingSat, is a 40 kg class microsatellite platform deve

price on request

Contact SWISSto12

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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