

NEWSPACE MARKET · COMPANY PROFILE



C3S LLC

Hungary · founded 2012 · c3s.hu

4

PRODUCTS

5

SERVICES

3

WITH DATASHEETS

newspacemarket.com/companies/c3s-llc/

as of 26 August 2026

C3S LLC

C3S LLC (Complex CubeSat Components and Systems) was established in Budapest, Hungary in 2012, emerging from the Masat-1 student satellite mission — the first Hungarian satellite. Since then, C3S has grown into a trusted supplier and integrator of small satellite platforms and subsystems, serving both NewSpace constellations and the traditional large satellite sector with a 100% mission success rate. C3S's product portfolio includes on-board computers, electrical power systems, DC-DC converters, UHF/VHF communication modules, and complete 3U–12U CubeSat platforms. The company provides end-to-end mission services from concept and platform design through manufacturing, integration and testing, launch management, and satellite operations. In-house environmental qualification facilities — including thermal-vacuum chambers and vibration testing — support full satellite qualification without reliance on external facilities. The company has delivered satellites for scientific, commercial, and governmental customers across Europe, developing a reputation as one of Europe's leading CubeSat integrators. Notable missions include the WISDOM satellites for 5G NTN validation, the Mauve astrophysics CubeSat for monitoring stellar flares, and the RAVEN constellation project for resilient access validation. C3S also operates its own UHF/VHF ground station and Mission Operations Center (MOC) for satellite tracking and command. Headquartered at Budapest, Hungary, C3S is a member of the Hungarian Space Cluster and holds ISO 9001:2015 certification.

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

End to End Solutions

C3S provides comprehensive mission support from concept to orbit, including planning, design, manufacturing, integration, testing, launch management, and satellite operations.

Engineering Services

C3S provides engineering know-how for high-reliability component development, low-volume manufacturing, embedded systems, digital and analog hardware, and cyber-physical systems.

Ground Operation

C3S provides UHF and VHF ground station services for low-latency connection, reliable tracking, stable communication, and fast data processing for small satellites.

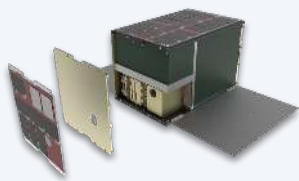
Launch Management

C3S provides launch opportunities, arranges deployment, and manages all technical interfaces, equipment, and documentation for launch acceptance and vehicle integration.

Mission Operation Center

C3S MOC offers a comprehensive system for satellite management, tracking, TC/TM data handling, customizable interfaces, and integrated on-site satellite testing.

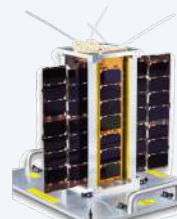
Product catalogue



C3S LLC

12U CubeSat

C3S's 12U CubeSat platform is optimized for high dissipation density and thermo-elasticity, offering great flexibility for payload integration and high power availability.

[price on request](#) [datasheet](#)


C3S LLC

3U-16U Platforms

A family of scalable CubeSat platforms ranging from 3U to 16U, designed for constellation missions focusing on Earth Observation and IoT applications.

Dimensions	100 x 100 x 340.5 mm (366 mm for 3U Plus)
Mass (bus only)	3.3 kg
Battery capacity	58 Wh (90% SOC)
Platform avg power	4.5 W
Platform peak power	20 W
Payload volume	1.25-1.4 U
Payload avg power	up to 20 W

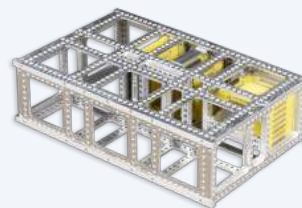
[price on request](#) [datasheet](#)


C3S LLC

Electrical Power System (EPS) 2000

The EPS 2000 is a complete power supply solution for CubeSats and Small Satellites, featuring single point failure tolerance, redundant CAN bus communication, and high efficiency G

Current development stage	TRL4, aiming for TRL7 by Q2 2026.
Input voltage range	6 to 70 V
Output voltage	5 V, 12 V, Unregulated 28 V
Peak output power	2 kW
Battery capacity	Up to 2 kWh
Lcl output channels	Up to 200 independently controllable
Qualification temperature	-40°C to 60°C

[price on request](#) [datasheet](#)


C3S LLC

Shared payload service

The Shared Payload service offers cost-effective, short-term access to space by dividing a satellite platform's payload bay.

Launch date	2021 Q4, 2022 Q2
Payload volume	0.25U, 0.5U, 0.75U, 1U, 1.25U, 1.5U, 1.75U, 2U, 2.25U, 2.5U, 2.75U, 3U, 3.25U, 3.5U, 3.75U

[price on request](#)

Contact C3S LLC

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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