

NEWSPACE MARKET · COMPANY PROFILE



Space Applications Services

Belgium · founded 1987 · spaceapplications.com

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as of 20 August 2026



Space Applications Services

Space Applications Services is a Belgian aerospace engineering company delivering cutting-edge systems, products, and services for manned and unmanned spaceflight, defence, and Earth observation. The company combines deep engineering expertise with decades of operational experience, serving ESA, NASA, national space agencies, and commercial operators across robotics, mission control software, simulation, astronaut training, and space electronics. The company has developed key enabling technologies flown on or used in support of the International Space Station and other prominent space programmes. Its YAMCS (Yet Another Mission Control System) is an open-source mission control framework widely adopted by small satellite operators and research organisations worldwide. HOTDOCK is a flight-qualified mating/demating device designed for in-orbit servicing, assembly, and commercial space station applications. The company also developed the LUVMI-M lunar rover concept for resource prospecting on the Moon. In addition to hardware and software, Space Applications Services provides training services including astronaut training, microgravity experiment operations support, robotics training, and space engineering education programmes. The company is a strategic partner in the Starlab commercial space station consortium, and through its ICE Cubes Service enables commercial entities to access the ISS for microgravity experiments with a rapid, affordable route to orbit. The ICE Cubes platform provides standardised, commercially-operated experiment slots on the ISS without the traditional barriers of government-sponsored access. Space Applications Services operates in Belgium and has expertise spanning mechanical engineering, electronics, robotics, software, operations, and space li

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SERVICES

Services

Environmental Information Systems Development

The company develops information systems to provide straightforward access to complex environmental data, simplifying data retrieval and product transformation.

Health Tools Research and Development

The company researches and develops tools for neuroscientists and supports the European Space Agency in maintaining astronaut health, addressing issues amplified by the space environment.

Operations and Astronaut Training Services

The company provides operations services and astronaut training, alongside developing systems and payloads for various space destinations.

Security Solutions Development

Leveraging space domain knowledge, the company develops solutions for crisis prevention and response to enhance security and safety.

Space System Studies and Development

The company offers comprehensive services for space systems, from initial mission concept studies and R&D of enabling technologies to system definition, development, and subsequent operations.

Product catalogue



SPACE APPLICATIONS SERVICES

HOTDOCK Mating/Demating Device

European standard mating/demating device for in-orbit servicing, assembly, and refuelling — recognised as a standard building block for OSAM missions.

Type	Mechanical mating/demating device
Applications	In-orbit servicing (OSAM), assembly, refuelling, modular platforms
Configurations	Active and passive variants
Status	European standard building block (recognised by ESA)
Support	Full engineering, testing, and qualification services available

price on request

[datasheet](#)



SPACE APPLICATIONS SERVICES

YAMCS Mission Control System

YAMCS (Yet Another Mission Control System) is an open-source mission control system framework developed by Space Applications Services. It provides a flexible, extensible platform

License	Open-source (Apache 2.0) + commercial support
Data formats	CCSDS, ECSS PUS, custom
Interfaces	REST API, WebSocket API
Deployment	On-premises, Docker/cloud
Capabilities	Telemetry, commanding, archiving, alarming, procedures, timeline
Users	ESA, national agencies, commercial operators worldwide

price on request

Contact Space Applications Services

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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