About Us

Space Applications Services is a European technology company delivering mission-critical systems for security and defense across space and ground domains.

Based in Belgium and active for nearly four decades, the company develops software platforms, robotic system integrations and operational frameworks for complex missions.

A flagship domain is (semi-)autonomous explosive threat detection, where we integrate unmanned ground and aerial systems, sensor fusion modules, edge processing and command-and-control (C2) software into coherent, deployable capabilities.

For More Info

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Enabling Multi-Domain Operations

SPACE BASED INTELLIGENCE TO OPERATIONAL EXECUTION

Space Intelligence

ENABLING OPERATIONAL SPACE INTELLIGENCE

We deliver the ground segment components that turn satellite data into actionable insights. Our solutions cover the full operational chain, from tasking to processing and distribution, giving users fast access to reliable space-based information.

- **Reduce the time from data request to actionable intelligence.**
- **Operate and manage satellite missions and constellations.**
- **Process and integrate space data into operational workflows.**

YamcsCloud Platform

YamcsCloud is a modular ground segment platform integrating mission control, planning and data processing applications. It provides scalable building blocks for operational space systems and intelligence services.

- Satellite command and control for single satellites and constellations, with telemetry, commanding and monitoring
- Automated scheduling and management of contacts across distributed ground station networks
- Framework for automated processing chains that turn satellite data into operational services and analytics
- Request satellite imagery, task satellites and manage data orders across multiple providers
- Cloud native architecture deployable in commercial cloud, private infrastructure or sovereign environments

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Multi-robot Integration

INTEGRATING UNMANNED SYSTEMS INTO OPERATIONAL CAPABILITY

We integrate unmanned platforms, sensors and mission software into coordinated robotic systems that support mission operations. Our solutions connect aerial, ground and maritime vehicles in a unified framework where assets share data, coordinate tasks and give operators real-time situational awareness.

- Coordinate robotic platforms within a single mission
- Combine sensor data from multiple assets into actionable operational insight
- Maintain mission continuity in degraded or contested environments
- Reduce operator workload through automation and adaptive mission planning

MOSAIC is our modular software and edge-processing architecture enabling multi-robot coordination and mission execution.

MOSAIC Hub

Mission Command & Control environment for planning, monitoring and analysing robotic operations.
- Multi-robot mission planning and task allocation
- Real-time monitoring and situational awareness
- Asset management to keep track of all your unmanned systems

MOSAIC Agents

Rugged onboard modules providing edge processing, autonomy and sensor integration on robotic platforms.
- Sensor integration and real-time data processing
- Edge AI for detection and event identification
- Mesh networking between unmanned platforms
- Local autonomy and task execution
- Operation in degraded or disconnected environments

Training Services

TURNING COMPLEX SYSTEMS INTO MISSION-READY SKILLS

Astronauts preparing for space missions must master complex spacecraft systems, robotics and mission procedures before launch. Today, military personnel face a similar challenge as they are introduced to increasing numbers of drones, advanced systems and digital tools.

Building on decades of experience in astronaut training and mission preparation for the International Space Station, Space Applications Services applies the same structured training approaches to help defense and security organisations safely and effectively adopt new operational technologies.

- Development and delivery of role-based training for operators, technicians and mission planners
- Training environments that allow personnel to practice procedures and mission scenarios
- Methods to capture expert knowledge and convert it into structured training material and learning modules
- Development of operational procedures, workflows and Concepts of Operations to support safe and efficient mission execution.