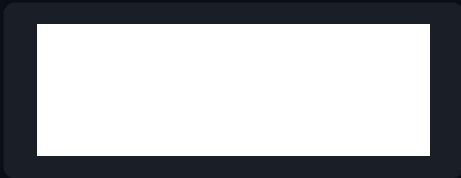


NEWSPACE MARKET · COMPANY PROFILE



Spacebel

Belgium · founded 1988 · spacebel.com

8

PRODUCTS

4

SERVICES

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as of 20 August 2026



Spacebel

Established in 1988, SPACEBEL is a Belgian space systems and software engineering company that has grown into a trusted developer of advanced IT solutions and a provider of related IT services for the space market. The company partners with space agencies (ESA, CNES), major aerospace prime contractors, governmental bodies, EU institutions and the commercial market, and is active in Earth observation, space flight, defence, science, telecommunications, navigation, exploration, launchers, balloons and space situational awareness. Spacebel's engineering skills cover the full lifecycle of IT space systems and geospatial information systems: design, development, integration and validation. Its Flight Segment department has developed on-board software since 1990 for satellite platforms, payloads, sub-systems, space probes and launchers, including the on-board software of all ESA PROBA satellites, the EUCLID Central Data Management Unit Application Software, the MetOp-SG Microwave Sounder Instrument Control Unit software, and the central flight software for the HERA and RAMSES planetary defence missions. Its generic Data Handling Software implements the ECSS Packet Utilisation Standard (PUS) and File Delivery Protocol and forms the basis of an on-board Application Framework reused across missions. The Ground Segment department builds satellite control centres, mission planning systems and payload data ground segments (PDGS), notably for the ESA PROBA series and the Hera Cubesat Mission Operations Centre in Redu, Belgium. The Modelling & Simulation department, active since 1994, is one of Europe's leading simulation engineering teams with over 40 simulation engineers, developing satellite operational simulators, software validation facilities and on-board processor emulat

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SERVICES

Services

Flight software development (full lifecycle)

SPACEBEL provides full lifecycle development and delivery of flight software for various space missions, from concept studies to validation and qualification.

Ground segment software development

SPACEBEL develops software for operators to control and command satellites from the ground, enabling the creation and transmission of procedures for execution by flight software.

Modelling & Simulation systems development

SPACEBEL develops modelling & simulation systems to validate flight software, model satellite equipment and movements, inject failures, and train operators.

On-board software architecture, requirements, design, verification, validation, maintenance and qualification

SPACEBEL specializes in all aspects of on-board software, including architecture, requirements engineering, design, verification, validation, maintenance, and qualification.

Product catalogue



SPACEBEL

Flight Segment (On-board Software and Data Management)

SPACEBEL provides on-board software and data management solutions for various space missions, including satellite platforms, payloads, and sub-systems, with expertise spanning the

price on request



SPACEBEL

Ground Displacement Detection (InSAR Monitoring)

Radar interferometry service for millimetric monitoring of ground subsidence, uplift and deformation.

price on request

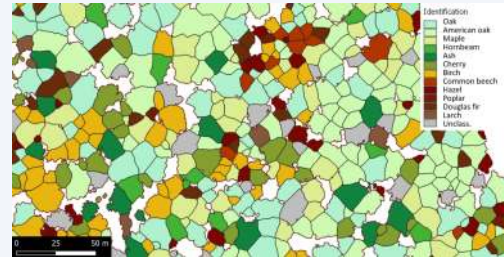


SPACEBEL

Ground Segment

SPACEBEL provides comprehensive ground segment solutions for satellite missions, covering mission operations, user operations, and payload data processing. These solutions range from

price on request



SPACEBEL

IADAS Forest Species AI Mapping

AI-based analysis of drone and satellite imagery for individual tree detection and species identification in forestry.

price on request



SPACEBEL

Mining & Raw Materials Environmental Monitoring

3D DEM and satellite imagery based environmental and landslide risk monitoring service for mining sites.

price on request

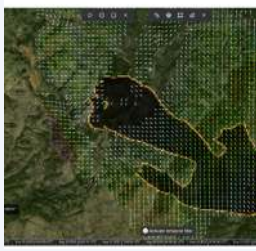


SPACEBEL

Modelling & Simulation

SPACEBEL offers comprehensive modelling and simulation products and services for space systems, including operational simulators, software validation facilities, and numerical models.

price on request



SPACEBEL

SAFEPLACE Wildfire Risk Mapping

ESA-programme wildfire ignition and spread risk forecasting platform combining 20 years of fire history with satellite and environmental data.

price on request



SPACEBEL

SENWISE Crop & Vegetation Monitoring

Multi-sensor satellite monitoring service for crop health, water status and vegetation/fire-risk indicators.

price on request

Contact Spacebel

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