



**DESIGNER AND INTEGRATOR OF
MISSION CRITICAL SYSTEMS**

CS
ROMANIA

SPACE

CS ROMANIA is one of the pioneer Romanian companies which perform activities related to the Space sector, since Romania's admission as an **European Space Agency** member state at the end of 2011. Subsequently, the company has been involved in ESA missions and also in programs such as **Copernicus** and **Galileo** developed by ESA and EU, either as a prime contractor or as part of various consortia.



CS ROMANIA performs IT software development activities in various projects related to Ground Segment, Space Segment and Applications for Data Processing.

The **main contributions** are in Flight Dynamics Software, Data and Image Processing from EO missions, the development of toolboxes for the Sentinel missions, On Board Software, EGSE, data archiving and algorithm optimization for GNSS, multi-mission ground segment software etc.

The services provided are in accordance with **ECSS-E-ST-40C** and **ECSS-Q-ST-80C**

EXPERTISE

- Earth Observation
- Flight Dynamics
- Scientific Missions
- Navigation
- Onboard software
- IT Infrastructure
- Electrical Ground Support Equipment (EGSE)

TRANSPORTATION

The Intelligent Transportation industry is expanding rapidly, finding itself constantly under pressure to improve the quality and efficiency of their processes related to customer service and **operational efficiency**. The operations in this industry are also highly critical, so **CS ROMANIA** comes to meet its needs with **quality software services**, in conformity with industrial standards for software development such as SIL1 - 4 and Agile methodologies.



EXPERTISE

- BackOffice system for free-flow tolling solutions
- Passenger Information Systems
- Software services for odo-tachymetry, events registration and voice/data communications
- Video surveillance

FINAL CLIENTS



AERONAUTICS

A reliable partner in the Aeronautics sector, **CS ROMANIA** has been involved in **complex projects** not only for the most important engine manufacturers and the largest aircraft builders, but also for worldwide equipment suppliers who rely on the company's specialized know-how of their **Critical Avionics Systems**.



EXPERTISE

- Full Authority Digital Engine Control (FADEC)
- Multifunction Display (MFD)
- Flight Warning Systems
- Flight Display Systems
- Air Traffic Control (ATC) controller-pilot communications

The company handles projects that include development, integration, validation and verification of avionics software and helps the final customer to achieve the required certification for **industry standards such as DO178B, DO178C, DAL A-E**.

CS ROMANIA has been part of the development teams that delivered software solutions for: cockpit display systems, digital engine control, cartography, flight warning systems, flight data processing, air conditioning units and information systems.

ENERGY

CS ROMANIA is an important market player in providing integrated solutions for **real-time management of electricity generation**. As a strategic software development partner for one of Europe's largest hydro-electricity providers, CS ROMANIA has cultivated its ability to deliver innovative and reliable technologies for the Energy sector. The company's services for the energy sector have been developed across years and have evolved across the command chain of automated Command & Control systems.

EXPERTISE

- Hydro-Power Management Systems
- Systems integration at the plant level, control center level and enterprise level
- SCADA and Automation DCS systems
- Software applications development and commissioning for third party contractors



CERTIFICATIONS & PARTNERSHIPS



Microsoft Partner
Gold Application Development

Schneider
Electric

Mission

CS ROMANIA is an IT software services company, member of **CS Group**, a leading technology group specialized in designing, integrating and operating mission critical systems.

During its **26 years of market presence**, **CS ROMANIA** has carried on complex ITC projects and has had significant expertise in software development and maintenance for **Critical Information Systems** and **software applications** in various domains such as **Aeronautics, Space, Energy** and **Transportation**.

The outsourcing services offered by **CS ROMANIA** span the **whole cycle of software product** development, beginning from requirements gathering, analysis, prototyping, design, development, testing, integration and ending with commissioning, maintenance and support.

The company is present at the side of its customers all along the value chain and has three main attributes that makes it a professional and trustworthy partner:

- The ability to act as an **engineering company** for major, complex and critical projects
- The capacity to combine **complementary skills** in order to offer its customers an integrated approach (consulting, design, build and maintenance)
- The "power of innovation" and capability to ensure the success of **strategic projects**.



Operational units

- Development & Maintenance of Software Applications
- Embedded Systems
- Command & Control Systems

Services

- Software Design & Development
- Systems Engineering & Integration
- Integration & Testing
- Independent Software Verification & Validation
- Third Party Software Maintenance
- Commissioning
- Outsourcing

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