



**DESIGNER AND INTEGRATOR OF
MISSION CRITICAL SYSTEMS**



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

- Software development: flight dynamics, satellite image processors, web user interfaces and portals
- Implementation of central archiving and processing
- Implementation and validation of automated processing chains

INTELLIGENT 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, video surveillance and voice/data communications
- Command & Control systems for waterways

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**.



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.

EXPERTISE

- Digital engine control (FADEC)
- Flight warning systems
- Cartography for flight maps
- Flight data processing
- Aircraft data definition & validation
- Cartography
- Flight display 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.

The company's **26 years of experience** enables it to both understand and anticipate the needs of its clients, and helps in addressing the key challenges of emerging and established market segments.

CS ROMANIA's mission is help to meet the challenges of its customers through the **design, build, integration** and **maintenance** of **innovative turnkey systems**, featuring innovation and performance.

Its expertise in applications and mission critical systems makes **CS ROMANIA** the partner of choice for major economic sectors, in particular for **Space, Aeronautics, Intelligent Transportation, Energy** and **Industry**.

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

- Application Development
- Command and Control Systems
- Database Development
- DCS & SCADA
- Quality Assurance
- Software Design and Development
- Software maintenance
- System Design

CS ROMANIA SA

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