

Space-based solutions for secure asset management

Frontex Industry Days nov ' 2023



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Introduction

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GMV: a global technological group

Leadership

Founded in
1984



Roots tied to the
Space and
Defence industry



Headquarters in Spain
(Madrid).
**Subsidiaries in other
12 countries**



Multinational
technology group.
Private capital

Over 3,000
employees



Engineering, development and
integration of systems, software,
hardware, **specialized products and
services in 80 countries**

6th largest industrial group in the European space sector

Markets



Aeronautics



Space



Security



Cybersecurity



ICT



Intelligent
Transport
Systems



Banking &
Finances

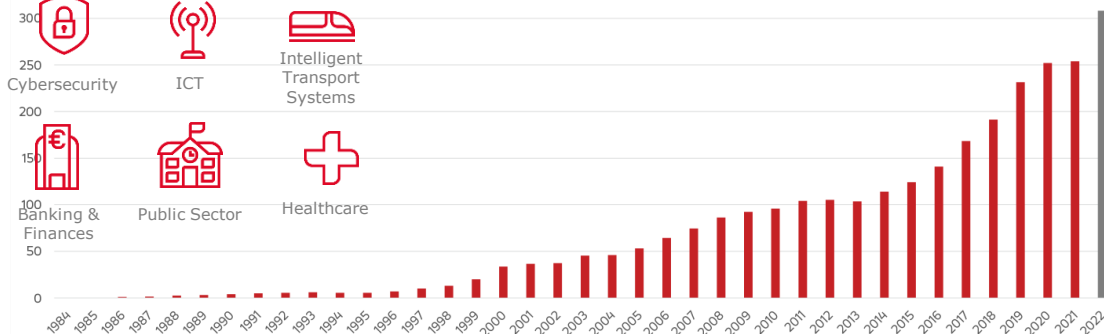


Public Sector



Healthcare

Revenue 2022: 311 M€



#1 Worldwide Satellite Control
Center provider to **commercial
telecom operators**
(+660 satellites worldwide)



Pioneer in EU GNSS and
responsible of safety critical
systems of European GNSS
systems (EGNOS and
Galileo)



**Trusted Supplier of Spanish
Civil Protection/Emergencies
Bodies**, international
organizations –**NATO, EDA-**,
and EU Agencies such as
EUSC, EMSA and FRONTEX



Leader of Intelligent
Transportation Systems for
the **public transport sector**
(+100 cities in Europe, Asia
and America)



GMV's **checker ATM
security** is the worldwide
leader as multivendor cyber
security protection for ATMs

GMV in the Galileo programme

GMV in GALILEO



GMV is playing a key role in developing the Galileo program's ground segment and operations, and in developing receivers and applications for the Public Regulated Service (PRS). The activities that GMV is performing include:

- Development, evolution, and maintenance of the Galileo Ground Control Segment (GCS), with GMV as prime contractor for the European Space Agency (ESA). The GCS includes all ground segment infrastructure elements used to monitor and control the Galileo constellation, including operation of new satellites during the Launch and Early Orbit Phase (LEOP).
- Development, evolution, and maintenance of key elements for the Galileo Ground Mission Segment (GMS), such as the Orbit Determination and Synchronization Processing Facility (OSPF), and the Engineering Tools Environment (ETE) used to analyze the system performance. GMV is also participating in development of the Galileo Security Monitoring Center (GSMC) and the Point of Contact Platform (POCP) used to monitor the security and manage the PRS service, which are included in the Galileo Ground Mission Segment framework.
- GMV is the prime contractor for developing the infrastructure for various Galileo service centers, including the European GNSS Service Center (GSC), the Galileo Reference Center (GRC), the Return Link of the Galileo Search and Rescue Service (SAR-RLSP), the High Accuracy Data Generator (HADG), and the Time and Geodetic Validation Facility (TGVF).
- GMV is currently one of the prime contractors that ESA has selected to design the second-generation of the Galileo ground segment, and it has also been selected to develop several key technology elements such as the radio frequency constellation simulator (RFCS) and the test receivers for the new signals transmitted by the second-generation satellites.
- In addition, GMV is actively participating in the Galileo program's operations, as a member of the operations team for the Galileo Control Center located in Oberpfaffenhofen, Germany.
- The company develops applications for the Galileo Public Regulated Service (PRS) based on receivers for this service developed by GMV. GMV is also developing the systems that the Spanish Competent PRS Authority (CPA) uses for the management of its PRS user communities.

GMV in SATCOM

GMV in SATCOM

GMV offers complete ground segments for telecommunications satellite missions, including flight dynamics, mission planning, real-time satellite surveillance and control systems, M&C ground stations, and payload management solutions.

GMV is the top independent provider of ground control systems in the world. Over 40 telecommunications operators and agencies and more than 300 satellites have selected GMV technology, and 40% of all commercial COMSATS launched in the past 10 years are controlled with our products and solutions.

Right from the start, our products navigate on the world's leading commercial satellite platforms and provide standardized operational support for any number of satellites, whatever the model or manufacturer.

Our range of products for telecommunications enable manual and lights out operations, as well as unlimited customization options, so they adapt to our clients, and not the other way around.

GMV also provides operational support to a number of telecommunications satellite operators.

Q&A

Thank you

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