

Press
dossier



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Get to know GMV

About the company

GMV is a privately owned technology business group that delivers custom solutions and innovative services to its clients in the following sectors: aeronautics, space, defense and security, cybersecurity, healthcare, intelligent transportation systems (ITS), automotive, telecommunications, and information technologies for public administrations and large companies.

More than 3,000 employees

A strategy built on **constant innovation**

Clients on **every continent** and subsidiaries in 12 countries: Spain, US, Germany, France, Poland, Portugal, Romania, the United Kingdom, the Netherlands, Malaysia, and Colombia

75 % of turnover from international projects

€311,33 million in total revenue at the end of 2022

10 % of turnover earmarked for research, development and innovation projects

Top achievements

World's leading independent provider of ground control systems for commercial telecommunications satellite operators

GMV was **instrumental in developing the European satellite navigation systems EGNOS and Galileo**, positioning it as a market leader in satellite navigation

Supplier of command and control systems for the Spanish Army

Leader in **telematics systems for public transportation**

Benchmark in the **ICT sector**

Capability Maturity Model Integration (CMMI) level 5, the most prestigious model in the world for improving an organization's capability

Major projects

- ESA's **HERA** mission to develop new planetary defense technologies and collect asteroid data. GMV developed the mission's guidance, navigation, and control system
- Positioning technologies for **BMW Group's** autonomous vehicles
- Major involvement in the ground segment of the **Galileo** satellite constellation (Galileo Control Segment)
- **SouthPAN** system processing and control centers in Australia and New Zealand to provide satellite navigation and precise positioning services in both countries
- Development of the ground flight control computer for **Eurodrone**, a major European defense cooperation program
- Leader of the **Tartaglia** consortium to advance the application of artificial intelligence in healthcare systems
- Leader of the **CUCO** project, which is researching the many applications of quantum computing in strategic industries such as energy, finance, space, and logistics

Learn about
our history

History

1984



GMV started out as a small team of engineers who won a contract for ESA's European Space Operations Center (ESOC) in an open international call for tenders. By the late 1980s, the company had grown to 100 professionals and was contributing to ESA's top-level space missions.

1988

GMV was distinguished as a Center of Excellence in Orbital Mechanics by ESA.



1990s



The company expanded into new sectors: intelligent transportation systems, cybersecurity, telecommunications, and applied information technologies for public administrations and large companies. In this decade GMV solidified its position in the defense and security sectors.

1997-1998



GMV opened its facilities in the Boecillo Technology Park in Valladolid, where it rose firmly to become one of Spain's leading companies in the supply of intelligent transportation systems.

Development and deployment of the first public transport SAE with GPS in Spain for AUVASA in Valladolid.

2001

Mónica Martínez Walter took over as president of GMV. The company launched an ambitious internationalization plan for its more mature business lines.



2004 - 2005

GMV established its US subsidiary, focusing on the aerospace market. The company later expanded into the Portuguese market with the purchase of Skysoft.



2009

The company secured its first contracts in Asia and Eastern Europe. From that point on, GMV signed major agreements in Poland, Malaysia, Indonesia, Morocco, Sweden, Mexico, Chile, the United Arab Emirates, Australia and Cyprus, among other countries.



From 2008 to 2015

GMV was involved in major contracts, including Measat, Nilesat, GSA-Galileo, and EMSA.



2016

Merger between GMV GmbH and the space company INSYEN AG. GMV then acquired a stake in PLD Space, a Spanish start-up specializing in space launchers.



2018

GMV landed the largest contract in the Spanish space industry to date – worth €250 million – to service and upgrade the Galileo Ground Control Segment.



2019

BMW Group selected GMV to develop a satellite positioning solution for its autonomous vehicle.



2020



Merger agreement with Nottingham Scientific Limited (NSL), a leading UK company in the field of satellite navigation and critical applications.



The company joined the main players in the defense and security sector when it was awarded seven of the 26 projects selected by the European Defense Fund (EDF) under the second call of the EDIDP program.



GMV was awarded the contract for the ground flight control computer of the Eurodrone program.

2021

GMV strengthened its leadership in robotics through its role in the third phase of PERASPERA, the European Commission's largest space robotics program.



2022

GMV led the TARTAGLIA project, a consortium set up to create a federated network to advance the application of artificial intelligence in healthcare systems. GMV was awarded the contract for the ground flight control computer of the Eurodrone program.



GMV signed the largest contract ever by a Spanish space company outside the EU to develop the SouthPAN system's core technology.



2023



GMV was selected by the European Space Agency (ESA) to develop the Galileo Second Generation System Test Bed (G2STB).



Alén Space, a pioneering NewSpace start-up in Spain, was added to the GMV group of companies.



Once the objectives of its investment in PLD were met, GMV exited PLD's shareholding.

GMV was awarded a contract worth more than €200 million to develop the ground segment responsible for in-orbit control and validation of the Galileo Second Generation (G2G).



GMV consolidated its position as a key European partner in defense-related projects with the award of six projects selected by the European Defence Fund.



Today

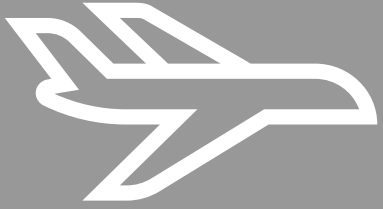
GMV has clients on five continents, it has more of 3,000 professionals and a turnover of nearly 300 million euros.



Areas of operation



Aeronautics



Aeronautics

Major involvement

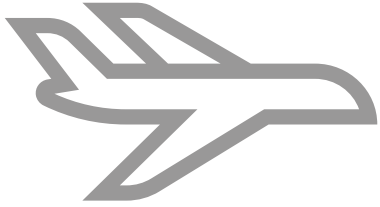
in the FCAS and Eurodrone programs

Leading company

in the development of equipment and systems for UAS
and remote carriers

Artificial intelligence and autonomy

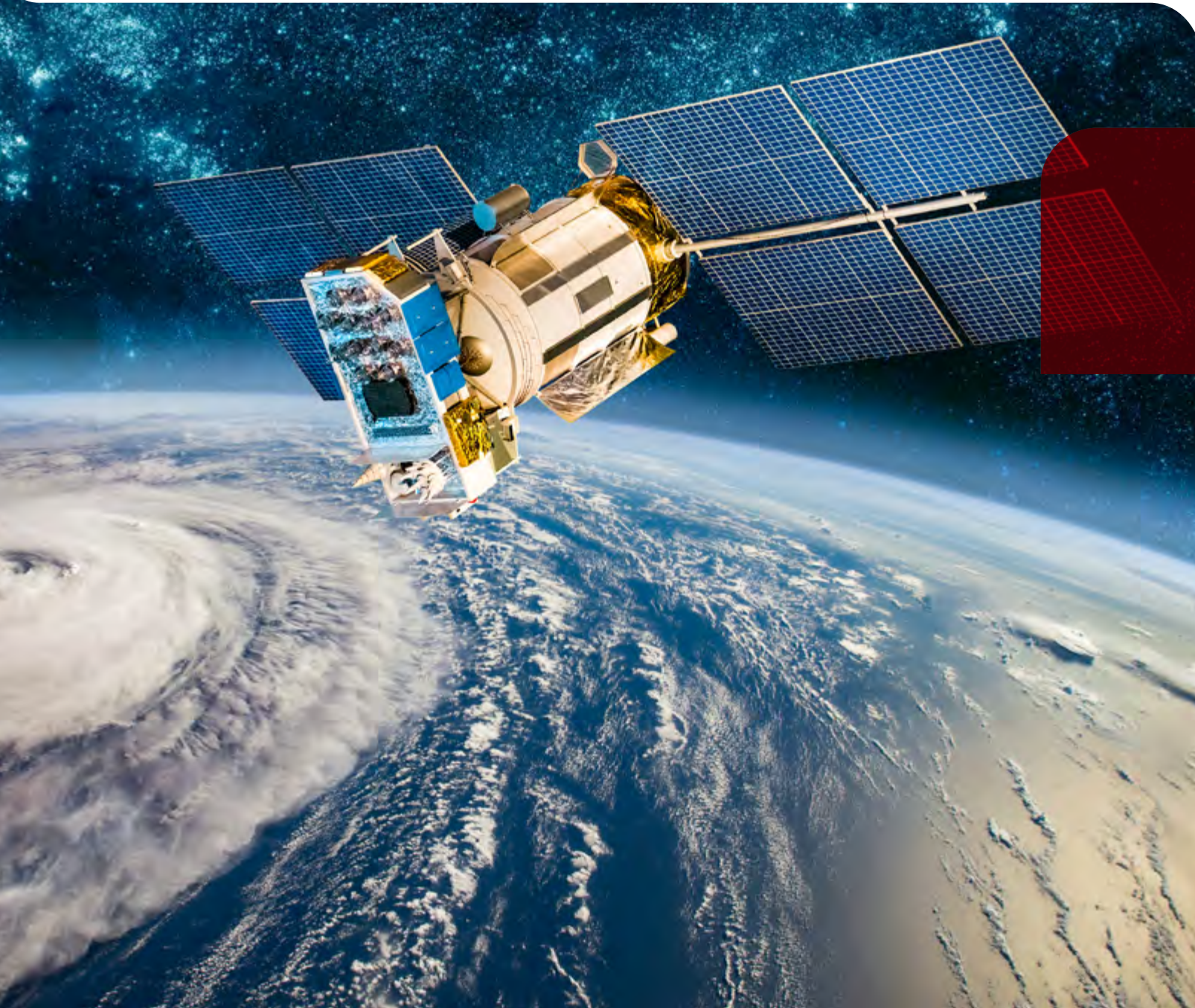
in critical onboard and ground systems



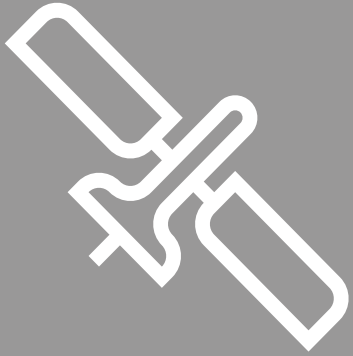
Aeronautics

Main activities and milestones

- GMV delivers products and services to major aeronautics manufacturers, air navigation service providers, and aviation organizations.
- Following Spain's entry into the Next Generation Weapon System / Future Combat Air System (NGWS/FCAS) project, GMV is now part of the SATNUS consortium and is working with other members to head up Spain's involvement in the Remote Carriers technology pillar, focusing on the development of new technologies and the appraisal of new remote carriers that operate off a set of unmanned vehicles.
- Pioneer in the development of satellite navigation-based aeronautical approach and landing systems.
- GMV is one of the few European companies able to develop onboard safety-critical systems and integrated modular avionics.
- Leader in developing solutions for processing and distributing remotely piloted aircraft system (RPAS) data and in developing avionics systems.
- Significant research, development, and innovation efforts in the aeronautical sector.
- Use of AI in aeronautical applications to provide unmanned aircraft with greater autonomy.
- Development of tools such as **Emil**, an automatic system for the ground inspection of instrument landing systems (ILS) and VHF omnidirectional range (VOR) radio aids, which help aircraft to land and fly en route, respectively.
- Active involvement in the Single European Sky ATM Research (SESAR) project.
- In 2022 GMV was awarded a contract to design, develop, manufacture, and provide logistical support for the Eurodrone program's ground flight control computer (GFCC).



Space



Space

More than 1,300

professionals

working in the space sector, accounting for 2.4% of all staff in the European space industry

6th-largest

industrial group

in the European space sector after Airbus, Thales, Ariane, Leonardo, and OHB

More than 900

satellites

and space vehicles use GMV technology

No. 1 global

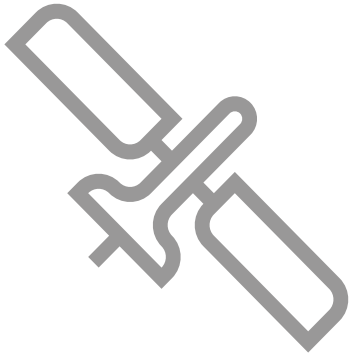
provider of

satellite control centers

Europe's

leader

in the ground segment for navigation systems (EGNOS and Galileo)



Space

Main activities and milestones

- Global leader in space mission planning and control systems, satellite navigation and precise positioning, Earth observation data processing and exploitation, as well as onboard guidance, navigation and control (GNC) systems and critical software.
- In 2018 GMV cinched the largest contract in the Spanish space industry: to service and upgrade the Galileo Ground Control Segment (GCS), the European global satellite navigation system and true flagship of the European Union's growing space-based activity.
- Leading role in the future Galileo ground segment and in many of its centers. Accomplished track record with respect to Public Regulated Service (PRS) developments; the satellite-based augmentation system (SBAS) operational demonstrator installed in Australia and New Zealand; and many high-precision integrity products, such as the one developed for the BMW Group's new generation of autonomous vehicles.
- Key player in the Copernicus global environmental and safety management program.
- Global leader in studying and monitoring space debris, preventing its proliferation, and cleaning it up.
- Leading technology developers in key areas of GNC, robotics, software engineering, and microelectronics.
- Significant involvement in missions such as Hera and its CubeSat (Juventas), as well as Mars Sample Return, Heracles, ExoMars, and moon missions.
- Trusted provider in the flight segment area.
- In 2022, GMV entered into the largest contract ever signed by a Spanish space company outside the EU to develop the core technology of the SouthPAN system in Australia and New Zealand.
- In 2023, GMV was selected by the European Space Agency (ESA) to develop the Galileo Second Generation System Test Bed (G2STB), leading a consortium of more than twenty partners. This milestone clearly reinforces GMV's role as a leading participant in the Galileo program.
- This year GMV was also awarded a contract worth more than €200 million to develop the ground segment responsible for in-orbit control and validation of the Galileo Second Generation (G2G).
- Alén Space, a pioneering NewSpace start-up in Spain, was added to the GMV group of companies.



Defense and security



Defense and security

Leader

in ISR/CSD solutions

in NATO environments

Leading

company for

command and control systems and intelligence systems

Leader

in advanced

navigation applications for defense systems

Top

international position

in developing and implementing border surveillance systems



Defense and security

Main activities and milestones

- Development of tactical and operational and strategic C2 systems. A prominent tactical development is Talos GMV, a command and control system used by the Spanish Army and Navy. A significant operational and strategic example is the EU Command and Control Information System (EUCCIS) developed for the European External Action Service (EEAS).
- Contract with the European Defense Agency (EDA) to design and implement communication and information systems to enable the storage, processing, and exchange of classified information (EUCI) up to EU SECRET level over the coming years.
- Development of proprietary technology with direct defense applications, such as the Galileo PRS secure receiver.
- Responsible for navigation systems and subsystems for the F-110 Frigate and the VCR-8x8 vehicle.
- Main contractor for the design, development, upgrading, and maintenance of the EUROSUR network, which is part of the EC's European Border Surveillance System and has been entrusted to Frontex.
- Development of innovative border surveillance system integration technology for both land and sea borders.
- GMV provides a variety of systems for Spanish ports, EMSA, SASEMAR, and the Spanish Navy's Maritime Action Operations and Surveillance Center.
- Prominent involvement in major European cooperation programs: EUCISE 2020 (H2020), MARISA (H2020), ANDROMEDA (H2020), COSMOS (H2020), and PROMENADE (H2020).
- Participation in EDA and Spanish defense ministry projects focused on the use of artificial intelligence in defense and security applications.
- Number two Spanish company in terms of involvement in the Preparatory Action on Defense Research (PADR) program for EDA.
- GMV consolidated its position as a key European partner in defense-related projects with the award of six projects selected by the European Defence Fund.



Cybersecurity



Cybersecurity

Operation

and maintenance

for ESA/EUSPA's Galileo Ground Segment since 2018

More than 300,000

ATMs

in some 40 countries, all protected by
Checker ATM Security[®]

GOLD member

of the National SOC Network

a CCN-CERT initiative to facilitate collaboration and
information-sharing to fight cybercrime



Cybersecurity

Main activities and milestones

- Thirty years shielding the technological infrastructures and systems of large organizations, public administrations, and critical infrastructures worldwide.
- Highest specialization in cyberintelligence services.
- GMV's specialized Security Operations Center. The company has a team of experts developing comprehensive, round-the-clock preventive and reactive measures to handle security incidents in information systems.
- GMV was selected as a finalist for the UK-US Privacy-Enhancing Technologies Prize Challenge thanks to solutions such as **uTile**, which enables secure and private calculations to be made on distributed data without exposing them or moving them outside the organization. The GMV-developed solution is able to harness confidential data to improve machine learning algorithms and analytical models, while complying at all times with an organization's own requirements. In doing this, it ensures that their data will remain private and that all pertinent legislation will be observed.
- GMV manages, develops, and assures the security of the ground control system of ESA's Galileo satellites.
- **Checker ATM Security**[®] solution to protect ATM and kiosk networks from fraudulent activity.



Healthcare



Healthcare

World's only

intraoperative

radiotherapy planner

One-of-a-kind

epidemiological

and clinical data exploitation platform

Leader of the

TARTAGLIA consortium

responsible for setting up a federated network using artificial intelligence to speed up clinical and healthcare research in Spain



Healthcare

Main activities and milestones

- Partnerships with leading hospitals and organizations.
- Technology leader in the HARMONY alliance, which harnesses the power of big data to customize treatment for patients with blood cancer.
- Leaders in Naviphy, a research project seeking to develop surgical simulation algorithms.
- Involvement in projects such as MOPEAD, for the early detection of Alzheimer's disease; FACET, for monitoring the health of elderly people by means of remote assistance; and RAINBOW, for developing a new generation of clinical simulators.
- GMV technology is being used in the Cuidat-e project, a personalized medicine initiative spearheaded by the health services of the Canary Island and Valencian governments, which aims to improve the care of patients with chronic, oncological, degenerative, and rare diseases by means of clinical decision support tools.
- ESA has turned to GMV to improve astronauts' health through the Alisse project, the aim of which is to develop AI technology to guide and assist astronauts in acquiring high-quality ultrasound images for diagnostic purposes.
- The **Radiance** intraoperative radiotherapy (IORT) planner, which helps specialists make decisions before patients undergo surgery.
- GMV heads the TARTAGLIA consortium, a part of the R&D Missions in Artificial Intelligence program of the Digital Spain 2025 agenda. The consortium seeks to further the development of personalized, precision medicine by improving patient treatment, among other aspects.



Intelligent transportation systems



Intelligent transportation systems

In-house

development

of our software and hardware products

Leader

in integrated technological

solutions for public transportation management and
EMV payment systems

Application

of scalable and

interoperable technologies

Europe-wide leader

in the design

development, implementation, and rollout of
intelligent transportation systems (ITS)



Intelligent transportation systems

Main activities and milestones

- Over 300 professionals working in this area.
- Twenty-five years developing technology solutions.
- Global leader in the design, development, implementation, and deployment of intelligent transportation systems (ITS).
- Integrated and fully operational turnkey solutions, as well as start-to-finish involvement in projects using our own development and manufacturing technologies.
- GMV has major projects under its belt in bus transportation, including systems installed in Madrid, Barcelona and Seville (Spain); Gdansk and Szczecin (Poland); Los Angeles (USA); Marrakech and Rabat (Morocco); Montevideo (Uruguay); Guadalajara (Mexico); Malta, and Cyprus.
- In the area of rail transportation, GMV's intelligent transport systems are present in train, metro, and streetcar networks in a number of cities and countries, including Spain (Barcelona, Zaragoza, the Basque Country, and Valencia), Morocco, Taiwan, Philippines, Egypt, Denmark, Santiago de Chile, Sydney, Tel Aviv, Jerusalem, and Warsaw.
- Development of solutions for special fleets.
- Supply of advanced systems for autonomous and connected vehicles, as well as cybersecurity systems for the automotive sector.
- In 2019 GMV was awarded a major contract for the development of a comprehensive, precise satellite positioning solution (GNSS) for the new generation of autonomous vehicles from German automobile manufacturer BMW Group.
- For over a decade, GMV has been working on sophisticated solutions using GNSS technology for payment for infrastructure use, tolls or access control to certain urban areas, specializing in deployments of this type on smartphones as a support platform.



Information and communication technology



Information and communication technology

Rollout

of the largest

freeware-based corporate email infrastructure in Spain

Development

of the first collaborative

open city platform in Spain

Fight

against money

laundering and financing of international terrorism using big data and AI technology



Information and communication technology

Main activities and milestones

- Leader in the consortium responsible for the CUCO project, the first major national and corporate project for research into quantum computing applied to strategic industries in Spain's economy: energy, finance, space, defense, and logistics.
- Development of **uTile PET**, a solution that makes it possible to harness confidential and private data in order to improve machine learning algorithms and analytical models, while complying at all times with an organization's own requirements, ensuring data privacy, and observing current regulations.
- Leader of the AgrarIA project, a consortium of 24 public-private organizations set up to research the applicability and feasibility of harnessing artificial intelligence together with other Industry 4.0-related technologies to come up with real solutions for devising new agricultural production methods that will make Spain's future agri-food sector more technologically oriented, innovative, sustainable, and committed to energy efficiency and lowering its carbon footprint.
- GMV has set up a system to automate the sample recovery process of Cepsa's analytical services in the La Rábida Energy Park (Palos de la Frontera, Huelva). This is the first use case for the Cobot collaborative robot at Cepsa. Importantly, the robot's presence in the laboratory allows human tasks to be refocused on other activities with greater added value, which in turn increases productivity, safety, and efficiency for the processes performed.
- More than 30 years as a trusted technology partner of the world's top banking institutions, protecting them against banking fraud by applying threat intelligence techniques to stop incidents before they happen.
- GMV leads the Open Cities project: an open, collaborative, and interoperable government platform, and the first collaborative open city platform in Spain.

Innovation is
our mission

WE SUPPORT



GMV's mission is to innovate forward. Because it cares about the environment in which it is pursuing this mission, it lends its knowledge to society, seeking to ensure social welfare, economic development, and the conservation of biodiversity by providing added value anywhere it can, either directly or indirectly.

As a declaration of its firm commitment to innovation-led, progress-seeking sustainable development, GMV has joined the worldwide initiative United Nations Global Compact.

Committed to innovation for development



Innovation is one of GMV's pillars for growth, but it is also a powerful driver of development for society as a whole. The GMV group allocates around 10% of its annual turnover to R&D activities and uses its wide range of projects and solutions in the various industries where it operates to make notable contributions to the Sustainable Development Goals (SDGs) adopted by the UN General Assembly in 2015. It is particularly worth highlighting the company's contributions to four of those SDGs.



GMV proactively supports all kinds of initiatives that empower young women thinking about pursuing a career in science and technology.



GMV creates technology to support smart cities. Our solutions seek to improve the sustainability of urban and rural environments.



GMV has a long track record in Earth observation and collaborates with institutions such as the European Space Agency (ESA) and the European Organization for the Exploitation of Meteorological Satellites (EUMESAT).



Committed to ethics from top to bottom

GMV adheres to the highest standards of ethics and conduct set by international organizations and industry-specific associations. Since its inception, GMV's mission and vision have been underpinned by ethical values that permeate every level of the organization. These values rest on the promotion of ethical, honest, and upright behavior; equal opportunities and non-discrimination; information transparency and truthfulness and respect for its confidentiality; zero tolerance of corruption, bribery, money laundering and terrorist financing; strict compliance with the law and applicable regulations, such as the industrial and intellectual property rights of both GMV and third parties; responsible use of the company's resources; and excellence and rigor in the fulfillment of responsibilities towards third parties.

All these values are set out in GMV's Code of Ethics, which must be understood and observed by all executives, employees, and members of governing bodies, as well as by anyone working on behalf of GMV or representing it in any situation.



Committed to talent

GMV believes that having the best professionals gives it a strong competitive advantage, so its hiring policy is oriented towards attracting, motivating, developing, and retaining the best talent, as well as offering a stable work environment for professional development.

In accordance with the principles contained in GMV's Code of Ethics, the organization is committed to creating, maintaining, and protecting a workplace environment that demonstrates respect for personal dignity, rights, and values. To this end, it has put in place the necessary protocols and mechanisms.



Committed to education and training

Talent and training go hand in hand, and having a qualified team that remains on the cutting edge of the latest advances is how GMV continues to innovate and develop groundbreaking solutions. In keeping with these beliefs, GMV's corporate culture has always been geared towards helping its employees reach their potential, which involves nurturing their individual skills and knowledge for work.

The company pays special attention to education and training, regardless of age. Aware of the need to inspire young people to take up careers in science and technology, GMV is involved every year in outreach and promotion initiatives in related fields, both for society in general and for students in particular.



Committed to society

GMV has demonstrated its commitment to society through a variety of activities involving its entire workforce, putting its corporate culture and values on display, including, most importantly, generosity, charitability, cooperation, and commitment. The company collaborates every year with non-profit organizations focused on diversity and equality in the workplace (Adecco Foundation and Prodis Foundation), economic and social progress in underdeveloped communities (ONGAWA and Sunshine in Nosy Komba Foundation), and gender equality (Women for Africa Foundation), among others.

The unfortunate events that society has been facing in recent years, with situations of crisis for economies and public health, have worsened the inequality gap among communities, with the business world's ability to react being put to the test at the global scale. This reality has required increased attention to be given to addressing social, economic, and environmental issues. Of special note in this respect is GMV's collaboration with the various charitable initiatives dedicated to mitigating the effects of the COVID-19 pandemic and the conflict in Ukraine, with participation by GMV as a company, as well as by its employees on a personal basis.

GMV around the world

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