



Mitsubishi Electric Europe
Italian Branch

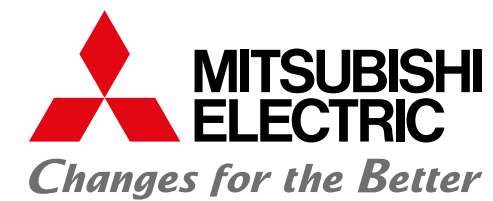


This company was founded
with the aim of contributing to society
through the production
of electrical equipment.



Hideo Takeda

1st President (1921)



With more than 100 years of experience in the supply of hi-tech products, Mitsubishi Electric is world leader in the production, marketing, and sales of electrical and electronic equipment. **Mitsubishi Electric combines innovation with the typical traditions and values of Japanese culture, offering the best technologies to make the world in which we live more pleasant.** Mitsubishi Electric products and components can be used in many fields: IT and telecommunications, space research and satellite communications, consumer electronics, technology for industrial applications, energy, transport, and construction. The company is strongly committed to develop eco-compatible products and activities, and promote Corporate Social Responsibility programs.

I N N O V A T I O N



C R E A T I V I T Y



Q U A L I T Y



HISTORY AND PRESENCE IN THE WORLD

Corporate Social Responsibility,
Integrity and Equity
and Global Vision:
our values
leave their mark.

立業貿易
處事光明
所期奉公



WATCH THE VIDEO

**MITSUBISHI
ELECTRIC**
Changes for the Better



MITSUBISHI ELECTRIC
**HEADQUARTER
TOKYO**

THE MITSUBISHI BRAND NAME (FROM THE JAPANESE “MITSU BISHI” WHICH MEANS “THREE DIAMONDS”) WAS ESTABLISHED IN 1870 BY THE SHIPPING COMPANY OF YATARO IWASAKI

2020 marks the 150th year since Yataro Iwasaki founded what was to become the Mitsubishi Group. To commemorate this anniversary Mitsubishi Companies are renewing their commitment to the **three company principles established in 1870: Corporate Social Responsibility, Integrity and Equity, and Global Vision through business activities.**

Mitsubishi Electric Corporation was established 50 years later, in 1921, and specialized in the development, production, and distribution of electrical and electronic equipment. In the 1930s Mitsubishi Electric started manufacturing, installing, and maintaining lifts and escalators, while also producing equipment for generating energy. By 1960 the company had stood out as one of the most innovative and diversified manufacturers of electrical equipment in Japan, and over the following years it focused increasing attention on the environmental impact of their production techniques, long before environmental problems became everyday issues. Over the following two decades the company began expanding abroad and at the same time became pioneer in the development of computers, advanced air conditioning systems, electronics for vehicles, solar powered satellites, and energy generation.

AFRICA
AMERICA
ASIA
AUSTRALIA
EUROPE

Since 1980, Mitsubishi Electric has introduced and redesigned innovative technologies that benefit society, industry, and individuals. These include the first spherical OLED displays, the first spiral escalators, the fastest lifts in the world, and the first aerial capable of transmitting commercial advertisements worldwide over Internet. Today Mitsubishi Electric is committed to the development and application of new technologies based on artificial intelligence (AI).

The company enjoy the collaboration of over 149,000 employees around the world, and in the financial year ending 31 March 2026 achieved an overall turnover of 5,894.7 billion yen (36.8 billion US dollars*).

The company has been present in the EMEA zone since 1969 with twenty branches: Belgium, Czech Republic, France, Germany, Holland, Italy, Ireland, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, South Africa, Sweden, United Kingdom, Turkey, Hungary, and United Arab Emirates.

The Italian branch was established in 1985 and operates with three business units: **Air Conditioning** - for residential, commercial, and industrial contexts, including heating, dehumidification, and air treatment. **Factory Automation and Mechatronics** - equipments and systems for industrial automation. **Automotive** - systems and components for controlling car and vehicle mechanisms. The branch also provides support for **Semiconductor** sales.



*At an exchange rate of 160 ¥ for 1 US\$ dollar, as defined by the Tokyo Exchange Market for 31/03/2026.

RESEARCH & DEVELOPMENT

Dedicated today to defining tomorrow's technologies.



RESEARCH AND DEVELOPMENT ARE THE LIFEBLOOD OF MITSUBISHI ELECTRIC. OUR RESEARCH CENTRES ARE CONSTANTLY ENERGIZED BY A LARGE CORE GROUP OF SPECIALIZED RESEARCHERS

Our technological achievements are focused on anticipating the continuously evolving needs of our customers within their environmental and social context.

As for the research of next generation technologies, the company can count on numerous resources available within a global network of **R&D centres in Japan, North America, and Europe**, in close collaboration with the academic world and customers. Every aspect of product development and production reflects market demands and contributes to improve society through innovation. **In Japan**, all Mitsubishi Electric's activities are based on cutting edge technologies supported by our **Research and Development Centre for Advanced Technologies**. The wide range of initiatives extends from shared basic technologies to development of new products, research and development activities to engender new business, and promoting the dynamic expansion of the brand. The **IT Research and Development Centre** generates new business with activities in a range of fields including information technology, multimedia intelligence systems, communications and microwave optoelectronic technologies. They are dedicated to researching technologies that consolidate the company as leaders in the sector and energize business. The **Industrial Design Centre** develops a wide range of Mitsubishi Electric products across sectors such as aerospace, energy, building, industrial, public transport, communications/IT, household appliances, and more.

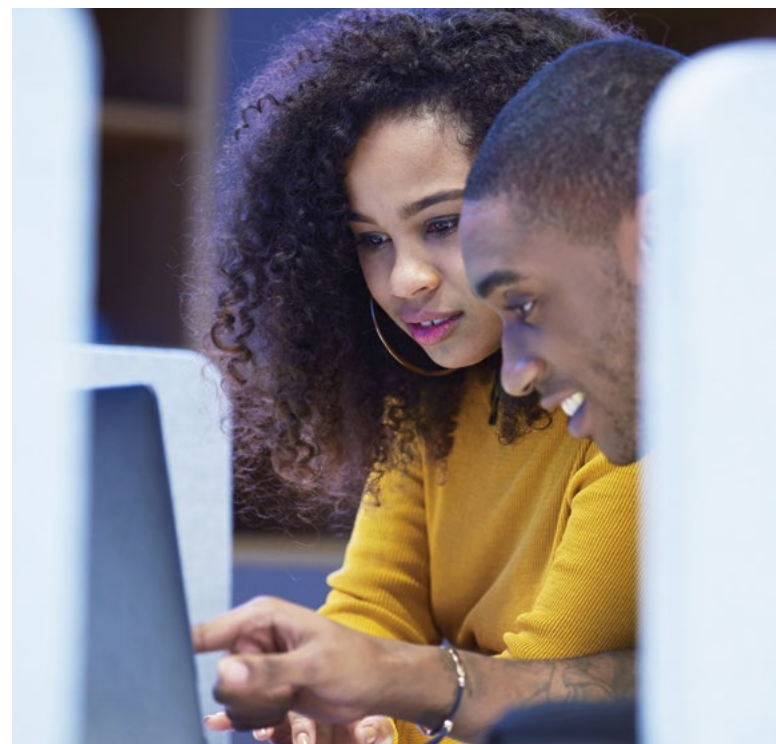


In North America, the MERL (Mitsubishi Electric Research Laboratories) is the company's North American research and development branch. They carry out basic research, ranging through advanced electronic development and applications, digital communications, multimedia processing, data analysis, space data processing, mechatronics, and optimization technologies.

Europe is instead home to MERCE (Mitsubishi Electric R&D Centre Europe) with a site in France and another in the United Kingdom, where they conduct research and development of environmental, energy, and communications technologies.

The global reach of Mitsubishi Electric's Research and Development is expressed through their development of numerous patents. The Group holds approximately 60,000 patents* worldwide, through which it is committed to addressing social challenges by creating new markets and developing business activities that go beyond the traditional electronic and mechanical sectors.

*Source: www.mitsubishielectric.com/intellectual-property



OPEN TECHNOLOGY BANK

On the journey towards a sustainable future, in 2022 Mitsubishi Electric started up its Open Technology Bank, **an initiative that promotes both internal and external collaboration based on the sharing of intellectual property.**

In the past, patents served mainly as instruments of competition, for protecting innovation, preventing imitations, and defending property rights. Today instead the company has chosen to leverage them in co-creation and shared innovation initiatives, **making the technologies available in strategic partnerships oriented towards the common good.**

Mitsubishi Electric's
environmental
commitment.



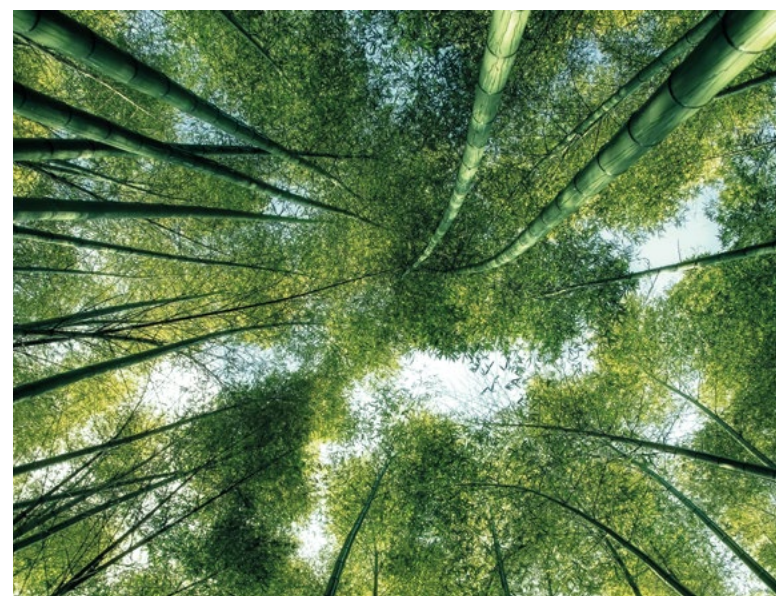
PROTECT THE AIR, LAND,
AND WATER WITH OUR HEARTS
AND TECHNOLOGIES TO SUSTAIN
A **BETTER FUTURE** FOR ALL

WE ARE STRONGLY COMMITTED TO THE CREATION OF SUSTAINABLE PRODUCTS AND PROCESSES

Mitsubishi Electric has always been a responsible member of the communities in which it operates. **Limiting environmental impact** is one of its top priorities. For this reason, every activity is guided by the pursuit of innovative solutions that help ensure a better future, thanks to **cutting-edge technologies** and consolidated manufacturing know-how.

ISO 14001. OUR COMMITMENT

For more than fifteen years, the Italian Branch has integrated environmental management into its operating processes and strategic decisions, confirming its ongoing commitment to sustainability. **Since 2009, it has been certified according to ISO 14001:2015**, the international standard that defines the requirements for an **Environmental Management System (EMS)**. The certification, issued by **DNV**, attests to the adoption of a structured, rigorous system focused on continuous improvement. The Environmental Management System applies to all Italian sites, including the headquarters in Vimercate (MB), and involves the entire value chain, from the commercialisation of solutions to assistance and technical support services. This approach reflects the Mitsubishi Electric Group's global strategy, aimed at promoting **high standards of environmental protection and sustainable growth** across all areas of activity.



ENVIRONMENTAL VISION: FROM 2020 TO 2050

In July 2021, Mitsubishi Electric Corporation announced that it had achieved the main targets of its **Environmental Vision 2021**, the Group's long-term environmental management strategy introduced by the company in 2007. Specifically, the following targets were achieved:

- **Low-carbon society:** the company achieved a 36% reduction from FY2001 levels in greenhouse gas (CO₂) emissions generated by product use, exceeding the original target of 30%. As for CO₂ emissions generated by production operations, a 56% reduction from FY1991 levels was recorded, significantly exceeding the original target of 30%.
- **Recycling-based society:** the final waste disposal rate was reduced to 0.02% in Japan (target: < 0.1%), while overseas a rate of 0.15% was achieved (target: < 0.5%). By reducing the size and weight of its products, Mitsubishi Electric reduced resource input by an average of 43% compared with FY2001 levels, exceeding the 30% target. In addition, water consumption per unit of sales was reduced by 20% from FY2011 levels, twice the initial target of 10% (1% per year).

In the new environmental sustainability programme **Environmental Sustainability Vision 2050**, Mitsubishi Electric makes environmental protection an absolute priority, strengthening the initiatives dedicated to this objective.

The Vision is founded on the Group's environmental statement: **“Protect the air, land and water with our hearts and technologies to sustain a better future for all”**, which guides the definition and implementation of its main strategic actions. First presented in 2019, the Environmental Sustainability Vision 2050 sets out Mitsubishi Electric's commitment to actively contributing to environmental protection. **In recent years, global challenges have become increasingly complex.** The growth of data traffic and artificial intelligence has increased energy demand, while geopolitical instability has made the need to strengthen resource

security, promote material circularity and protect natural capital even more evident, as these are fundamental elements for economic activities.

To respond to these challenges, the Mitsubishi Electric Group has updated its Vision, reorganising it around three strategic pillars: **carbon neutrality, circular economy and nature-positive**. In line with this evolution, the company has further translated these priorities into a concrete operational framework, defining **five materiality areas** that integrate sustainability into its corporate strategy and guide long-term decisions. These priorities aim both to provide technological solutions to the main social and environmental challenges and to strengthen the organisational foundations needed to support sustainable business growth.

Environmental Sustainability Vision 2050

Protect the air, land and water with our hearts and technologies to sustain a better future for all.



The Mitsubishi Electric Group is committed to contributing to a sustainable future by uniting the aspirations of each individual to tackle various environmental challenges as well as create new possibilities.

Focus Areas

Through its diverse businesses, the Mitsubishi Electric Group addresses various environmental challenges across the entire value chain, including Climate Action, Resource Circulation, and Harmony with Nature.

Carbon Neutrality	Circular Economy	Nature-Positive
Climate action	Resource circulation	Harmony with nature



Materiality

	Realize a sustainable global environment
	Realize a sustainable society
	Respect for all people
	Strengthen corporate governance and compliance on a sustainable basis
	Promote innovation for sustainability

Sub-Materiality

- Reduce environmental impact - Contribute to the environment through business activities
Contribute to society through business activities
- Human rights in the value chain - Human capital empowerment
- Corporate governance - Compliance - Quality - Information security
Create new technologies and value



ENVIRONMENTAL PLAN 2030

The Mitsubishi Electric Group periodically updates its Environmental Plan, defining medium-term objectives and initiatives in support of the Environmental Sustainability Vision 2050. The new **Environmental Plan 2030, running from April 2026 to March 2031**, continues the work started with the previous plan and strengthens its implementation, accelerating the path towards increasingly concrete, structured and measurable sustainability. Among its main objectives, the Group aims to achieve **carbon neutrality** across its factories and offices by the fiscal year ending in March 2031, through the **reduction of greenhouse gas emissions**, increased use of energy from renewable sources and the involvement of the entire value chain in the decarbonisation pathway. The plan also provides for the strengthening of resource circularity, with the aim of promoting an increasingly efficient **circular economy** model through greater use of recycled materials, the design of products oriented towards reuse, waste reduction and optimisation of the use of natural resources. In line with a **nature-positive** approach aimed at safeguarding natural ecosystems, the plan strengthens initiatives to protect **biodiversity** at company sites through responsible water resource management and the reduction of environmental impacts.

CORPORATE SOCIAL RESPONSIBILITY

Our contribution to the community.



THERE IS SOMETHING WE PAY
CONSTANT ATTENTION TO: THE
PEOPLE AND ENVIRONMENT WHERE
WE LIVE AND WORK

- ENVIRONMENT
- COMMUNITY SUPPORT
- TECHNOLOGY AND QUALITY
- EDUCATION

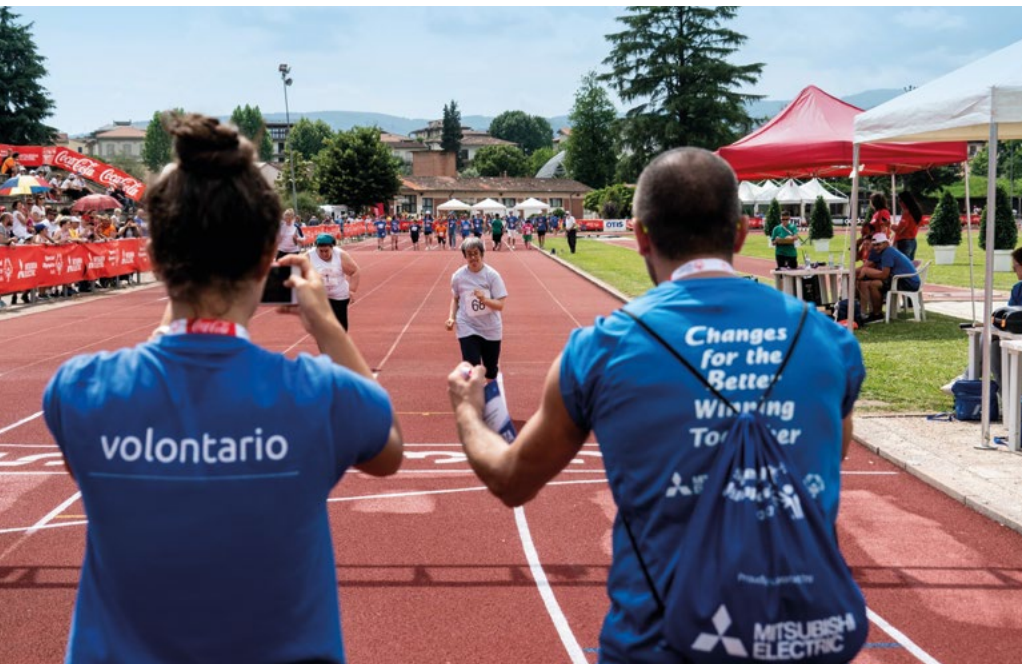
Mitsubishi Electric is committed to developing an extensive set of philanthropic and voluntary initiatives in Japan and around the world. Through support for numerous initiatives and projects in America, Europe, and Asia, we have set ourselves the goal of fulfilling the social needs of the local communities around our sites. Inspired by our Guiding Principle “Changes for the Better”, we have committed to projects and initiatives with diverse associations in different sectors: protection of artistic and environmental heritage and museums, medical care and scientific research, rehabilitation and re-integration of individuals with substance addictions, initiatives supporting parenthood, underprivileged children, and people with disabilities, as well as programs that support school and university education.

responsabilitasociale.mitsubishielectric.it



ENVIRONMENT

Since 2006 Mitsubishi Electric has stood alongside FAI, the Fondo Ambiente Italiano, in the role of Corporate Golden Donor, sharing the mission of protecting and appreciating the natural and cultural heritage of Italy. Our environmental commitment also includes supporting clean-up initiatives, such as a collaboration with Plastic Free, which actively helps protect the environment by reducing plastic pollution.



OUR SUPPORT FOR THE SPECIAL OLYMPICS INCLUDES THE PARTICIPATION OF A TEAM OF COMPANY VOLUNTEERS WHO PROVIDE VALUABLE ASSISTANCE TO THE ATHLETES DURING COMPETITION DAYS.



EDUCATION

Our Social Responsibility programme dedicates special attention to training.

This is why we organize specific courses for customers and employees, as well as students and teachers at the high schools and universities we collaborate with.

Our objective is to pass on practical and theoretical knowledge, helping to develop well prepared professionals, ready to effectively respond to the demands of the working world. We have numerous collaborations underway across Italy, including **Mentor ME**, a completely free technical and professional e-learning project. It aims to provide young people with adequate tools to train and orientate themselves in the fields of industrial automation, air conditioning, and social responsibility.

COMMUNITY SUPPORT



The Special Olympics is an educational programme offering and organizing training and events for people with intellectual disabilities at all ability levels. Since 2010 Mitsubishi Electric has been on the field alongside Special Olympics Italy supporting numerous special activities and sports events.

Over the years, our commitment has led us to support the initiatives of numerous associations, including:

- **AIL** - The Italian Association combating leukaemia-lymphoma and myeloma.
- **Albero della Vita** - An association that has worked alongside children and families for 25 years to build new opportunities and combat poverty.
- **CESVI** - An organization working worldwide to support the most vulnerable populations through promotion of human rights.
- **Dianova Onlus** - An organization founded in Italy in 1984 for rehabilitation from substance addiction and intervention in associated issues.
- **Fondazione PUPI Onlus Italia** - Founded in 2001 by the married couple Javier and Paula Zanetti with the aim of offering tangible help in one of the poorest areas in Argentina.

- **Milano Musica** - An association established to raise awareness of 20th-century and contemporary music and promote the development of new forms of expression in diverse initiatives, including “Music in Prison” with the Monzino Foundation.
- **Rina Sala Gallo** - An association active for over 40 years in promoting musical culture and supporting young talent.
- **Sodalitas** - The reference organization in Italy for company sustainability, founded in 1995 on the initiative of Assolombarda (Lombardy company association).
- **Twins International** - An Association with the mission of helping improve the conditions of life of the most underprivileged communities in developing countries, with particular emphasis on child-based projects.
- **Women & Tech** - An association committed to developing people and skills, promoting inclusion, innovation, guidance, and the development of the professions of the future.



TECHNOLOGY & QUALITY

One of Mitsubishi Electric’s primary goals is to leverage its resources to make a meaningful contribution to society and enhance global quality of life by supporting communities who can benefit from its state-of-art systems.

The company is profoundly committed to scientific research in general, as attested by its collaboration with **AISM** supporting research into multiple sclerosis, and **AIRC** providing scholarships for young Italian researchers dedicated to the fight against cancer.



Quality at the heart
of every activity.



THE TRAINING CENTRES IN VIMERCATE AND ROME ARE HUBS OF EXCELLENCE, DESIGNED TO BOOST PRODUCT KNOWLEDGE, DEVELOP PROFESSIONAL EXPERTISE, AND PROVIDE ONGOING PRACTICAL AND THEORETICAL TRAINING



“CHANGES FOR THE BETTER”,
REPRESENTS THE COMPANY’S
ONGOING DEDICATION TO
INNOVATION, CREATIVITY, AND
IMPROVEMENT OF TECHNOLOGIES
AND SERVICES

it.mitsubishielectric.com



For Mitsubishi Electric quality starts from products and extends to a range of innovative services that accompany customers, partners, and distribution networks through all stages of pre- and after-sales.

Company staff play a central role and the Italian branch invests constantly in training, both technical and managerial, to enhance the skills and professionalism of our collaborators.

Direct contact with customers and partners, or through an extensive network of external agencies and installation specialists, enables the company to provide expert support and regular refresher training courses, ensuring high service standards all over the country.

The main site in Vimercate includes a **500 sq. m showroom**, a genuine **hub of technological excellence** displaying numerous sophisticated solutions for air conditioning, industrial automation, automotive applications, and semiconductors.

The showroom is on the ground floor along with **numerous adjacent classrooms**, also providing an organizational base for **training courses** dedicated to customers and students from technical institutes and universities. The area houses the **Air Conditioning Training Centre**, offering both practical and theoretical training in air cooling, heating, and purification, along with the **Automation & Mechatronics District**, a high-tech area offering visitors an



overview in the fields of advanced industrial automation and processing systems, as well as numeric controllers.

In February 2017 an Air Conditioning Training Centre was also opened at the Rome site.

The Italian branch includes three business units: **Air Conditioning, Industrial Automation and Mechatronics, Automotive.**

They also support **semiconductor sales**.

The Italian branch is responsible for sales of certain product lines in numerous countries in the Mediterranean area, Middle East, and African continent. They are also responsible for air conditioning sales through the branch in **Romania** opened in 2018, and the branch in **Greece** opened in 2020. In **Italy** Mitsubishi Electric is based in **Vimercate** with commercial offices in **Pavia, Rome, Rosà, and Turin**.



AIR CONDITIONING

New horizons
in ambient comfort,
new technologies
that look to the future.

MITSUBISHI ELECTRIC AIR CONDITIONING DIVISION: STATE-OF-ART TECHNOLOGY, HIGH ENERGY EFFICIENCY, QUALITY, RELIABILITY, QUIETNESS, AND ENVIRONMENTAL PROTECTION



climatizzazione.mitsubishielectric.it



Mitsubishi Electric is dedicated to building a sustainable future by 2050. Through ongoing investment in Research & Development, this commitment is evident in every product and solution our company creates.

The Corporate Message: **“Protect the air, earth, and water with sentiment and technology to create a better future for everyone”** establishes guidelines for all Mitsubishi Electric Air Conditioning Division initiatives and projects. These emerge in each individual installation, with the aim of guaranteeing maximum utility in every environment, while at the same time reducing energy consumption, running costs, and CO₂ emissions.

Innovative solutions for energy savings and the use of renewable energy are priority targets for Mitsubishi Electric.

With the acquisition in 2015 of the Climaveneta and RC brands, specialized in hydronic air conditioning systems and IT cooling, they have extended and enhanced their range for air conditioning, heating, dehumidification, and air treatment.

Mitsubishi Electric solutions combine outstanding efficiency with high-yield performance, ranging from innovative hydronic heat pumps for heating, cooling, and hot sanitary water production, to control and monitor systems, from air conditioning for the residential, tertiary, and commercial sectors, to a complete range of solutions for air treatment and dehumidification, multifunction units, chillers, and air conditioning for datacenter cooling.

In addition to their outstanding products, Mitsubishi Electric Air Conditioning are also **ideal partners**, always placing customers centre stage, whether these are final users or professionals, and providing top class services to satisfy their needs at all times.

All this is made possible thanks to constant efforts to update our **training initiatives** at the company Training Centres in Vimercate and Rome, and an extensive network of Authorized Technical Centres.

A fully updated course catalogue, new dedicated web portal, and diversified participation options, make training a distinguishing feature of this company division.

Mitsubishi Electric's new training modules are designed in response to the constant evolution of professional needs, diversified by operating areas and providing applicational and operational content for complete skills acquisition. Being able to rely on a network of qualified expert professionals across Italy enables the Mitsubishi Electric Air Conditioning Division to assist their customers all the way from initial consulting to product after-sales.



KIRIGAMINE
Style



MSZ-LN - RESIDENTIAL LINE INTERNAL UNIT



PUZ-WZ - ECODAN RESIDENTIAL HEAT PUMP



PURY-P YNW - VRF CITY MULTI EXTERNAL HEAT RECOVERY UNIT



I-FX-Q2-G05 - MULTIFUNCTION UNIT WITH SCREW COMPRESSOR INVERTER



FACTORY AUTOMATION

Experts in automation
for more than 100 years.

WATCH THE VIDEO

TECHNOLOGICAL INNOVATION, APPLICATION EXPERTISE AND A CONSULTING-CENTRED APPROACH ARE THE SOUL OF THE FACTORY AUTOMATION DIVISION

SMART MANUFACTURING

PROCESS AUTOMATION

MACHINE TOOLS

AUTOMATION SOLUTION PROVIDER

TECHNICAL SUPPORT
AND APPLICATION KNOW-HOW

SPECIALIZED TRAINING

it.mitsubishielectric.com/fa



Multiple dedicated solutions and consolidated know-how enable Mitsubishi Electric to help companies optimize their automation processes.

The company is known around the world as one of the few global suppliers offering a comprehensive range covering all aspects of industrial automation, from electromechanics to numeric control, including industrial and collaborative robots, inverters, PLCs, operating panels, motion control, SCADA, and software based on AI algorithms. All company products are able to dialogue with each other, enhancing communication performance and facilitating system integration. In recent years the company has also made substantial investments in the development of new software solutions, with the aim of being recognized on the market not just as hardware suppliers, but as global partners for companies who want to introduce digitalization into their plants and processes.

What makes Mitsubishi Electric unique is that every single product, including the internal components, is designed, developed, and realized by Mitsubishi Electric themselves.

This ensures high quality, reliability, and integration between different products, enhancing performance in every applicational context. Thanks to their excellence in technical and after-sales support, the Factory Automation division of the Italian branch acts as a "Factory Automation Center", a global network comprising 31 centres of excellence. Customers in the South EMEA area, which is under the responsibility of the Italian division, can refer to them for systems proposals, technical consulting, and training in Mitsubishi Electric solutions.

Inspired by the motto "Changes for the Better", the Factory Automation division focuses all operations on quality, providing innovative products and services for customers, partners, and distribution networks, while developing our human resources and specific training programmes.

An extremely high-tech showroom is provided for this purpose at the Vimercate (MB) site, the Automation & Mechatronics District. Here visiting customers, partners, technical institutes, and universities are offered a panorama of advanced and fully integrated solutions in industrial automation, processing, and numerical control.

Mitsubishi Electric is also involved in an extensive training programme called "AcadeMy". It is highly technical in content and supported by professional teachers with advanced experience in the sector. The project provides specialized training at different levels not only for customers, but also for students at technically oriented high schools and university faculties.



**MITSUBISHI
ELECTRIC**
Changes for the Better



CONTROLLERS



ANTHROPOMORPHIC ROBOTS, COLLABORATIVE AND SCARA



SERVO & MOTION



INVERTER/LVS



NUMERICAL CONTROLLERS



SOFTWARE & DISPLAYS

AUTOMOTIVE

State-of-art technology to ensure comfort and safety in the full respect of the environment.



WE CREATE INNOVATIVE, CONSTANTLY EVOLVING SOLUTIONS THAT TRANSFORM A PASSION FOR DRIVING INTO AN INCREASINGLY SAFER, MORE ENJOYABLE AND COMFORTABLE EXPERIENCE

it.mitsubishielectric.com/it/products-solutions/automotive-equipment/



The Mitsubishi Electric Mobility Corporation (MELMB) is a world leader in the design and production of innovative technologies and products for the motor vehicle sector. For decades its know-how has helped improve the overall driving experience, thanks to a pioneering approach that continues to strive beyond the innovation horizon, shaping the future of transport. The methods developed by MELMB for the manufacture of automotive components and equipment have become the foundation for many traditional, electrical, hybrid, and latest generation vehicles produced by leading manufacturers worldwide. With its full range of innovative, high quality motor vehicle components, MELMB can guarantee enhanced comfort, safety, and environmental sustainability.

ELECTRIFICATION

MELMB supplies motors, inverters, and other high power and efficiency components designed to enable vehicle electrification. The Group is not only committed to reducing dimensions and improving performance, but also the integration of multiple functions in advanced compact solutions. On the strength of its technologies dedicated to drive and control systems, together with extended experience in the automotive sector, MELMB is encouraging the spread of electrified vehicles, helping to reduce environmental impact and improve overall energy efficiency.



ADAS

Among the various options available, the driver monitoring system developed by MELMB detects behaviours like distracted driving, helping to ensure safer and more serene travel. The electronic control system for the advanced driving assistance system (ECU-ADAS) processes data arriving from sensors and video cameras in real time for enhanced precision and reliability of the assisted driving features. MELMB is also among the world leaders in the production of LED driver modules for the motor vehicle sector. These solutions improve road safety, energy efficiency, and standardization, simultaneously providing greater vehicle design flexibility thanks to a wide range of high performance LED modules.

TRANSPORT SOLUTIONS

Self-driving vehicles require extremely precise maps and adequate infrastructure. As pioneers of global positioning technologies and contractors to the Japanese government for high precision positioning satellites, MELMB has developed numerous patents involving high definition global positioning. Its positioning modules provide centimetre-grade precision, enabling accurate identification of road lanes and creation of advanced maps, fundamental elements for the development and safety of self-driving systems.

POWERTRAIN

Engine control components are essential for the creation of high performance vehicles with high energy efficiency. Applying advanced technologies and extensive experience in the sector, MELMB can offer a vast range of options designed to constantly optimize engine performance. The company is also extending its range of mechatronic applications, exploring new opportunities involving alternative fuels and electrified applications.

POWER STEERING

Compared to hydraulic systems, electrical power steering minimises engine power losses and ensures a more fluid, stable, and comfortable drive, for a superior overall steering experience. MELMB offers both redundant and non-redundant systems compatible with Steer-by-Wire applications to ensure maximum reliability and safety when driving.



KINETIC CHAIN



ELECTRIFICATION



POWER STEERING SOLUTIONS

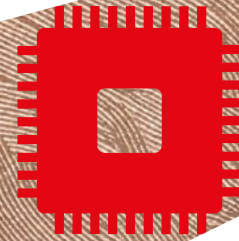


ADAS



SEMICONDUCTORS

Technology for a better life quality, technology for a protected environment.



IT WOULD BE IMPOSSIBLE TO SUSTAIN OUR CURRENT LIFESTYLES WITHOUT THE HELP OF SEMICONDUCTORS: THEY PLAY A KEY ROLE IN ENERGY PRODUCTION, DATA TRANSMISSION, AND THE COUNTLESS OTHER WAYS IN WHICH ELECTRONICS PLAY A PART IN OUR EVERYDAY LIVES

it.mitsubishielectric.com/it/products-solutions/semiconductors-devices/



Mitsubishi Electric is leading operator in the semiconductors sector. Our high frequency transistors and modules are used in mobile communication systems, Radio-TV broadcasting systems, and satellite communications.

High frequency semiconductors guarantee accurate transmission of satellite signals. In the optoelectronics sector, laser diodes and receivers transform electrical impulses into optical signals and vice versa for the transmission of data, images, and voice through optical fibre cables. High power laser diodes are used in diverse industrial and medical applications, like ophthalmology to correct or treat vision, in industrial fields for accurate measurement of distances, and for the projection of images.

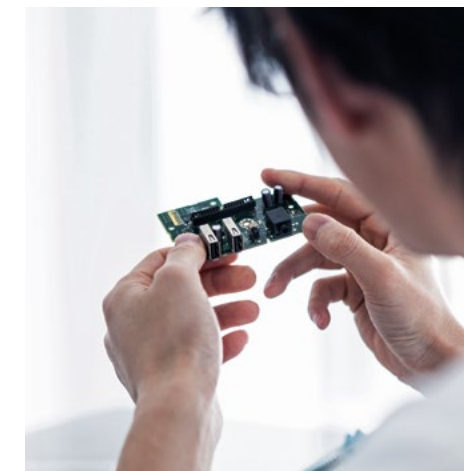
Mitsubishi Electric has matured over 40 years of experience in the production of power semiconductors.

As the first company in the world to have achieved full mastery of all the necessary technologies, we developed the Intelligent Power Module (IPM) concept and we are leaders in this sector as well as in IGBT (Insulate Gate Bipolar Transistor) technology.

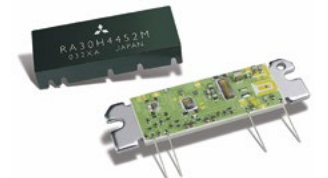
These skills allow us to supply modules adaptable to different fields of application, like engine control, railways, or the production of renewable energy. Power semiconductors have also made it possible to develop wind and solar power.

They transform continuous current into alternating current, which can then be channelled into the power grid.

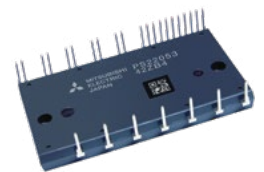
Mitsubishi Electric semiconductors ensure maximum efficiency and reduce energy consumption. Our development of innovative solutions actively contributes to the growing need to safeguard the environment, directly influencing the quality of life of people. This is also why we exclude the use of toxic substances like lead from our production lines.



HVIGBT POWER DEVICES



HIGH FREQUENCY DEVICES



POWER DEVICES



OPTOELECTRONIC DEVICES

OUR SITES IN ITALY



ITALIAN MAIN OFFICE

**Mitsubishi Electric Europe B.V.
Vimercate**
Campus Energy Park
Via Energy Park 14 - 20871 Vimercate (MB)
Tel: 039.60531

COMMERCIAL OFFICES

Pavia
Via Roma, 7 - 27010 Valle Salimbene (PV) - Tel. 039.60531

Rome
Viale Luca Gaurico, 9/11 - 00143 Roma (RM) - Tel. 039.60531

Rosà
Via Capitano Alessio, 181 - 36027 Rosà (VI) - Tel. 039.60531

Turin
C.so Svizzera, 185 - 10149 Torino (TO) - Tel. 039.60531

ROMANIAN OFFICE

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