



MITSUBISHI MITSUBISHI ELECTRIC ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.



Corporate Mission & 7 guiding Principles



The Corporate Mission of the Mitsubishi Electric Group is to continually improve its technologies and services by applying creativity to all aspects of our business. By doing so, we enhance the quality of life in our society.

Mitsubishi Electric Hydronics & IT Cooling Systems spa

is the core company for central hydronic and IT cooling technologies within the group.

7 Guiding Principles



Establish relationships with society, customers, shareholders, employees, and business partners based on strong mutual trust and respect



Conduct always in compliance with applicable laws and high ethical standards in all endeavours

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Provide the best products and services with unsurpassed quality



Respect nature, and strive to protect and improve the global environment



Pioneer new markets by promoting research and development, and fostering technological innovation



Assure fair earnings to build a foundation for future growth.



As a global player, contribute to the development of communities and society as a whole





The Mitsubishi Electric Company specialized in hydronic systems for air conditioning and IT Cooling solutions.

Designs, manufactures, and markets high efficiency, reliable, economically viable, eco-sustainable solutions and value adding services worldwide, in particular by embracing renewable energy sources.

> Headquartered in Italy. Production in Italy, China, and India.

We operate in the market with two brands:





Process Cooling with 45 years' experience, providing products and value adding services in the most demanding projects worldwide.



Leading IT cooling solutions with 50 years' experience, a proven track of innovations, high quality and successful projects worldwide.

Please consult Climaveneta and RC websites for further details on the product ranges



Products & Technologies



Chillers and Heat pumps



- Residential chillers
- Reversible chillers
- Heat pumps optimized for heating



- Commercial and industrial chillers
- Commercial and industrial heat pumps



- Heat pumps for simultaneous and independent production of hot and cold water



Free cooling chillers

High precision air conditioners



- Close control units
- Close control units with inverter
- Rack cooling solutions



Data center infrastructures



Dry coolers and remote condensers



Air conditioners for Telecom applications

Rooftop units



Fully configurable all-in-one rooftop units



Packaged fresh air units



Rooftop units for WLHP and WSHP systems



Indirect adiabatic cooling systems for data centers

Hydronic terminals



Air Handling Units



Air handling units

Control and optimisation systems



Group devices



Supervision devices



Metering devices



Control and optimisation systems



Production Plants in Europe





Productive area: 12,500 m²



- Liquid chillers
- Reversible chillers
- Heat pumps up to 500 kW
- ISO 9001 / ISO 14001 / ISO 18001
- OHSAS18001

M12 Belluno-Italy

Productive area: 25,000 m²

- Liquid chillers
- Reversible chillers/ Heat pumps
- Rooftop units
- Shell&tube evaporators
- ISO 9001 / ISO 14001 / ISO 18001
- OHSAS18001



Productive area: 7,000 m²



- Air handling units
- ISO 9001 / ISO 14001 / ISO 18001
- OHSAS18001

M14 Treviso-Italy



Productive area: 10,000 m²

- Residential chillers
- Heat pumps up to 150kW
- Hydronic terminals
- HPAC units
- ISO 9001 / ISO 14001 / ISO 18001
- OHSAS18001

M21

Valle Salimbene-Italy



Productive area: 36,500 m²

- Chillers and Heat Pumps from 5 to 300 kW
- ISO 9001 and ISO 14001

M22

Valle Salimbene-Italy



Productive area: 2,300 m²

- Large Capacity Chillers
- Large Capacity Heat Pumps
- ISO 9001 and ISO 14001

M23

Zeccone-Italy



Productive area: 7,500 m²

- Precision air conditioners
- Telecom air conditioners
- ISO 9001 and ISO 14001

Lean Manufacturing

Dedicated specialized factories

Continous improvement in production

High level testing rooms at the end of the production





Laboratories in Europe





ML14 Treviso-Italy



HPAC, Terminal Units, small chillers & Heat Pumps

- UNI 14511
- ISO 9614-2

ML12 Belluno -Italy



Large chillers and & Heat Pumps

- UNI 14511
- ISO 9614-2

ML21 Valle Salimbene-Italy



Chillers & Heat Pumps

- Up to 1600 kW
- UNI 14511
- ISO 9614-2

ML24 Valle Salimbene-Italy



Precision air conditioners

- EUROVENT 6/6
- ANSI-ASHRAE 2016

ISO, UNI, ANSI-ASHRAE, Eurovent certified

Performance testing both at full and partial loads

Sound emissions tests

Failure tests

Simulation of naval applications

Unit operation tests in severe conditions



Production Plants in China and India





M93

Shanghai-China



Productive area: 3,000 m²

- AHU units
- Fan coil units
- Aluminium fin and copper tube coils
- ISO 9001, ISO 14001, ISO18001

M91 Shanghai-China

Productive area: 15,000 m²



- Reversible chillers for the Eastern market
- ISO 9001, ISO 14001, ISO18001
- OHSAS18001

M94 Shanghai-China



Productive area: 2,000 m²

- Shell & tube Heat Exchangers
- Condensers and evaporators
- ISO 9001, ISO 14001, ISO18001

M95 Foshan-China



Productive area: 3,000 m²

- Precision & Telecom air conditioners for South East Asia
- ISO 9001, ISO 14001, ISO18001

Lean Manufacturing

Dedicated specialized factories

Continous Improvement in production

High level testing rooms at the end of the production line

M81 Bangalore - India



Productive area: 2,500 m²

- HPAC units
- Screw compressor chillers
- ISO 9001





Productive area: 2,500 m²

- HPAC units for the Eastern market
- ISO 9001, ISO 14001, ISO18001



Laboratories in China





ML91 Shanghai-China



Terminal units

- GB/T 19232-2003 - GB/T 7725-2016
- ML92 Shanghai-China



Chillers & Heat Pumps

- GB/T 10870-2014

ML93 Shanghai China



Precision air conditioners

- GB/T 17758-2010

ML94 Foshan-China



Precision air conditioners

- GB/T 17758-2010









COMFORT APPLICATIONS

PROCESS APPLICATIONS

DATA CENTER APPLICATIONS





Comfort: typical applications and examples



OFFICE BUILDINGS

The Willis Building London – UK Hydronic System





SPORT FACILITIES

Singapore Sports Hub Singapore Hydronic system





Sheraton Mirage Resort Gold Coast - Australia Hydronic System





SHOPPING CENTRES



Marks & Spencers Dundrum

Dublin - Ireland

Hydronic System



EXHIBITIONS



Milan EXPO 2016

Milan

Hydronic System, Air-to-air System



THEATRES



La Fenice Theatre Venice, Italy Hydronic System





Process: typical applications and examples



AUTOMOTIVE

Volkswagen Plant San Paolo – Brasil



MANUFACTURING

Pirelli Settimo Torinese Packaged Units Rooftops



FOOD

Bodega garzón

Uruguay
Chillers + Air Handling Units



LOGISTIC

Amazon

Milan - Italy Centralised system



PLASTIC MOULDING

Husky Molding Systems Chennai - India



PHARMACEUTICAL

Akzo Nobel Chemicals

Wurzen – Germania Hydronic System







IT Cooling: typical applications and examples



TELECOMMUNICATIONS



France HPAC, IT Cooling



GOVERNMENT

Ministère de l'intérieur

France Chillers + HPAC, IT Cooling



FINANCE

China Construction Bank

China IT Cooling



INTERNET

Galileo connect london

London –Great Britain Chillers + HPAC, IT Cooling



