



GALLETTI GROUP:

A NEW APPROACH TO THE MARKET

Offering a wide array of services from a single partner

The Galletti Group was born out of the brilliant intuition of a small pool of highly successful managers in the of air-conditioning field.

Today it is made up of seven companies, each with its own specific skills in different business sectors, operating together as a single reference point for the client.



Maintaining key processes inside the Group

Since 1906, when Galletti S.p.A. was founded, the history of the Group has been strongly driven by the resolute intention to strengthen all the skills needed to develop high-quality and high-performance products.

Through all these years the major quality of the Galletti Group has been to keep in-house all the strategic processes that are at the core of every new solution.



Research & Development



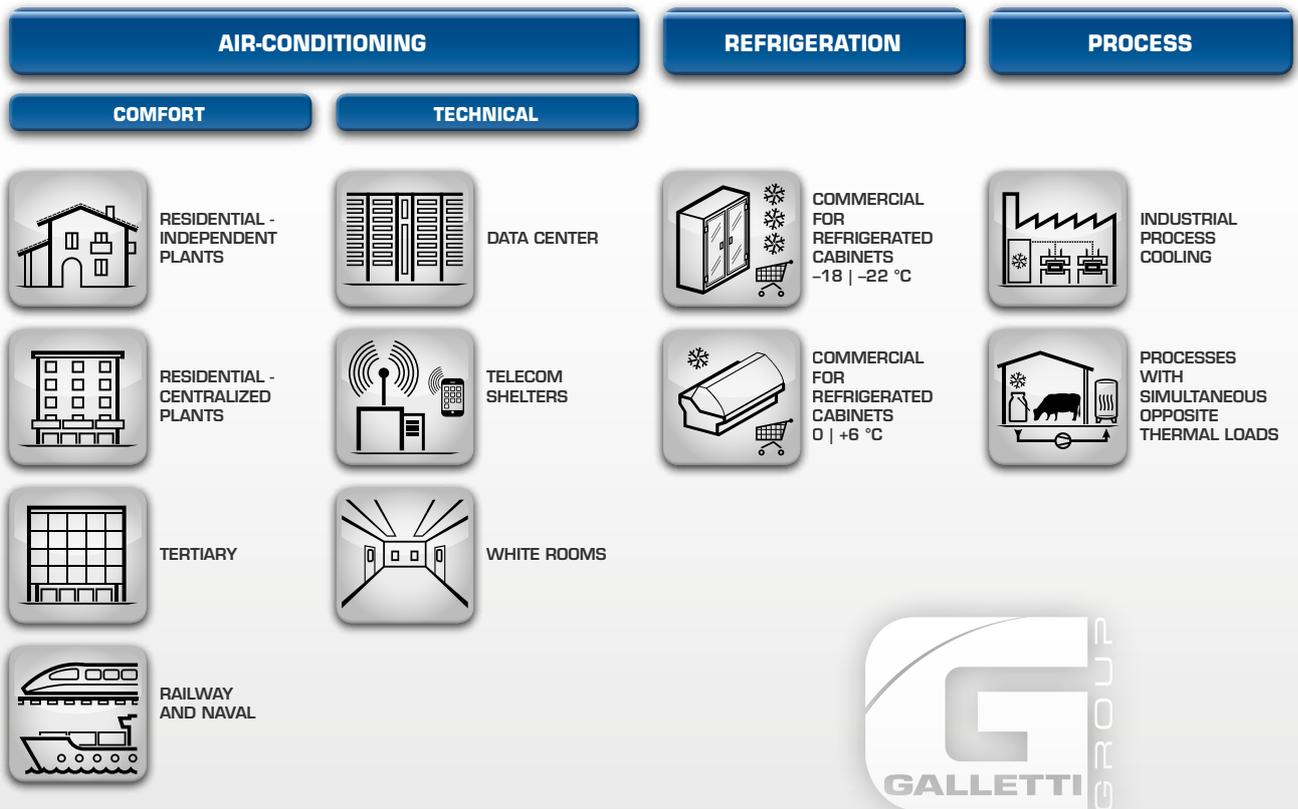
Design



Manufacture

Specific know-how in every business sector

The Galletti Group is today a unique reality which, thanks to its different and specific skills, offers products and services in all fields of HRVAC (Heating, Refrigeration, Ventilation, and Air-Conditioning).



From intuition to success

The results achieved in recent years in terms of growth confirm that the original intuition turned out to be an entrepreneurial success.

In Italy the Group works together with selected sales agencies.

In foreign markets, thanks to partnerships with highly qualified distributors, the Group proudly exports to Europe, Russia, Middle East, North Africa, South Africa and Latin America.





CONSULTING SERVICES:

- System integration with renewable energy sources
- Logic management for system components
- Choice of integrated solution
- Plant design assistance
- Energy audit



AFTER-SALES SERVICES:

- Spare part management and sales
- Remote control systems
- Plant start-up
- Unit disposal
- Maintenance
- Diagnostics



CRAC UNITS
8 - 334 kW



RACK COOLERS
3 - 57 kW



**AIR CONDITIONERS
FOR TLC SHELTERS**
3 - 39 kW



MULTI-COMPRESSOR PLANTS
1 - 800 kW



CONDENSING UNITS
2 - 600 kW



**SOFTWARE
AND HARDWARE**



**ELECTRONIC
CONTROLS**



FREE-COOLING
40 - 1410 kW



**AIR-WATER AND WATER-WATER
MULTIPURPOSE UNITS**
3 - 438 kW

WATER-WATER
5 - 1644 kW



**CONDENSERLESS
UNITS** 40 - 800 kW



AIR-WATER
4 - 1410 kW

**CONDENSING
UNITS** 5 - 215 kW

**DATA CENTER AND TELECOM
AIR CONDITIONING**

COMMERCIAL REFRIGERATION

**SOFTWARE
& HARDWARE**

**CHILLERS
AND HEAT PUMPS**

**PRODUCT
AND SERVICE
360°**

OUR VISION

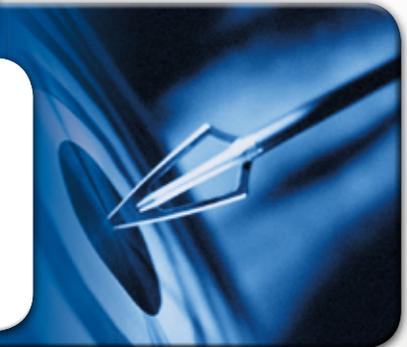
To become the reference partner for HRVAC, offering an integrated package designed to satisfy specific customer requirements and meant to boost the energy efficiency.



OUR MISSION

To design and manufacture, in our production facilities, products with a high standard of quality and reliability, integrating them with high added value pre-sales and after-sales support.

Professionalism and passion have always been trademarks of our daily work.



OUR DNA

Consolidated experience in specific sectors

Collaboration with prestigious Italian and European universities

Decades of investments in Italy

Close and continuous team-working with industry professionals

Vertically scaled manufacturing process

In-house metalsheet working

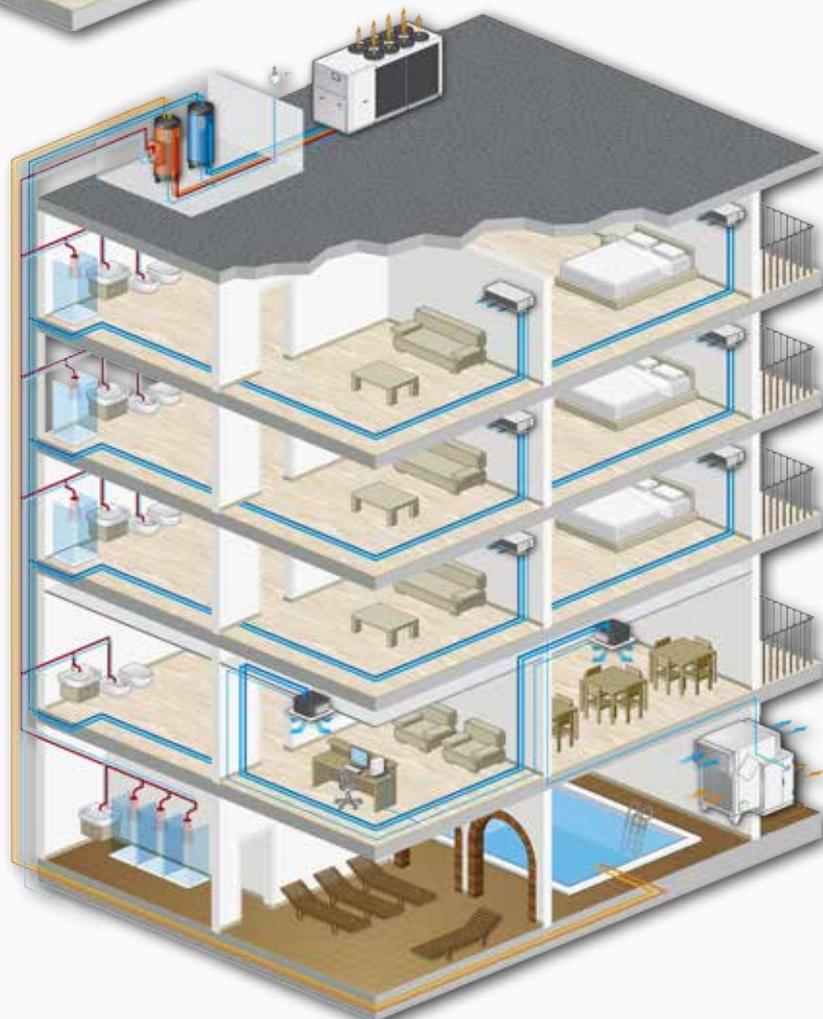
Software and hardware development

In-house production of heat exchangers

EXAMPLE OF COMFORT AIR CONDITIONING FOR RESIDENTIAL APPLICATIONS



Air conditioning plant with a multifunction heat pump, hydronic terminals and a DCV unit with heat recovery. The integrated HVAC control manages the heat pump, the back-up devices and the PV system to privilege the energy self-consumption.



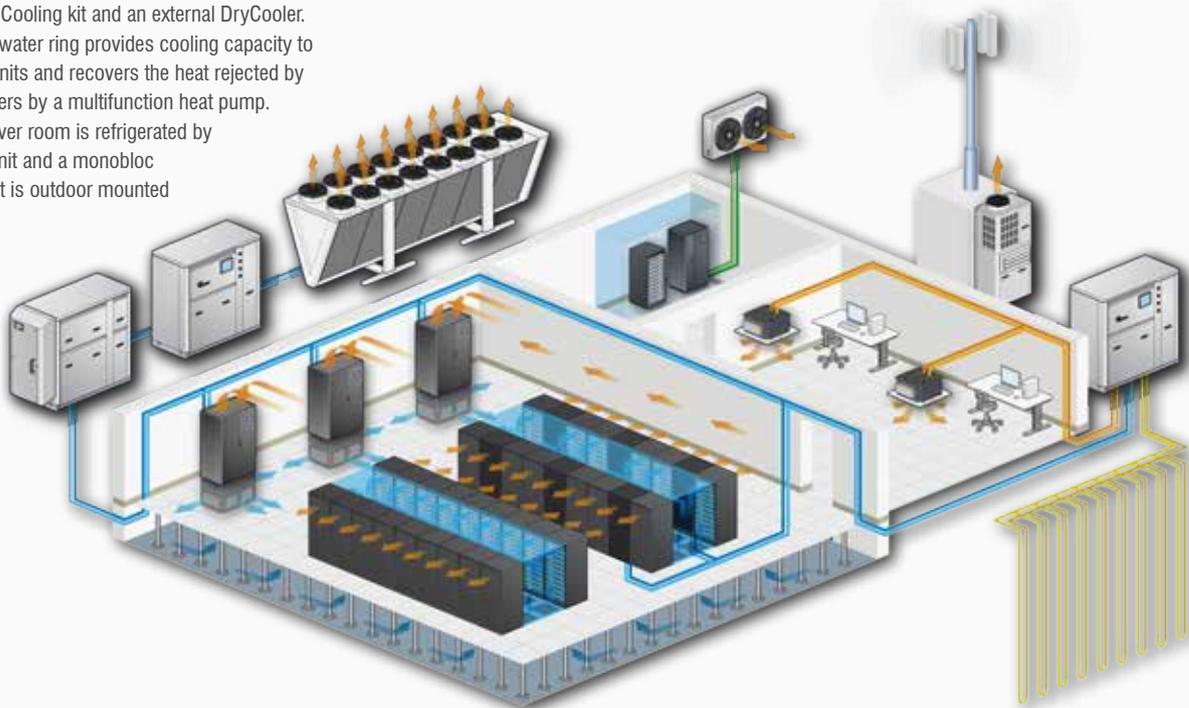
Centralized system with a multifunction heat pump for air conditioning by means of hydronic terminals and for swimming pool water heating. In the wellness area a dehumidifier treats the ambient air with renewal and heat recovery. A supervision system manages the whole plant to reach high efficiency levels.

EXAMPLE OF DATA CENTER AND TELECOM COOLING

Data Center cooling system with a water-to-water chiller combined with a Free-Cooling kit and an external DryCooler.

The chilled water ring provides cooling capacity to the CRAC units and recovers the heat rejected by the computers by a multifunction heat pump.

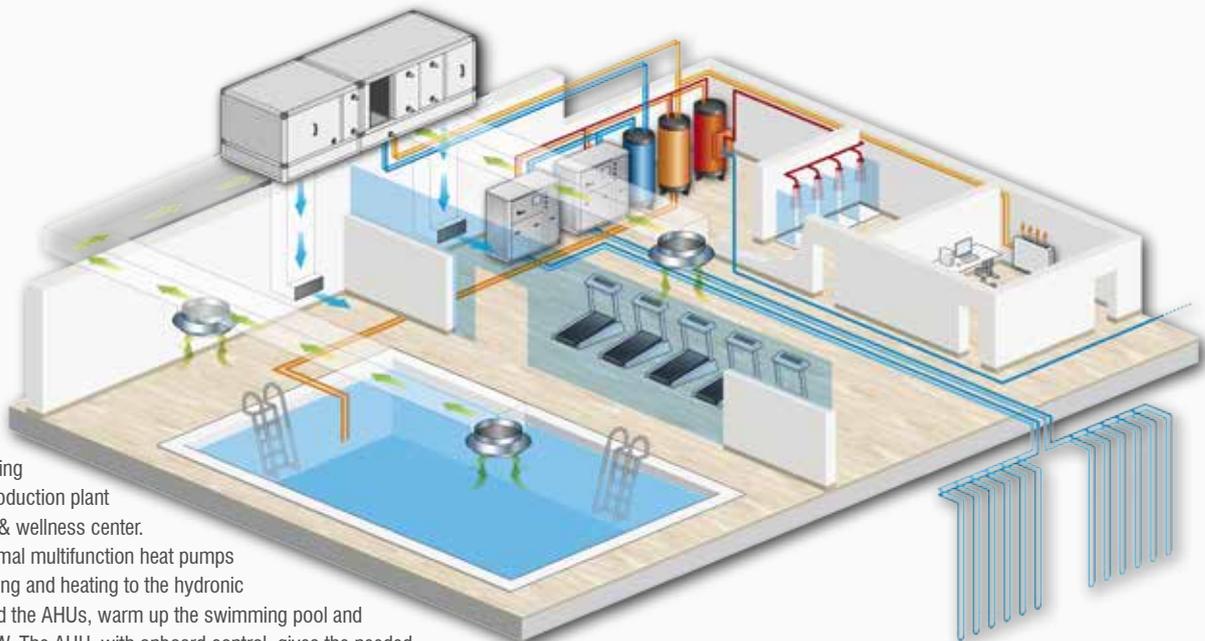
A small server room is refrigerated by a split DX unit and a monobloc telecom unit is outdoor mounted to a shelter.



EXAMPLE OF AIR CONDITIONING OF A FITNESS & WELNESS CENTER

Air conditioning and DHW production plant for a fitness & wellness center.

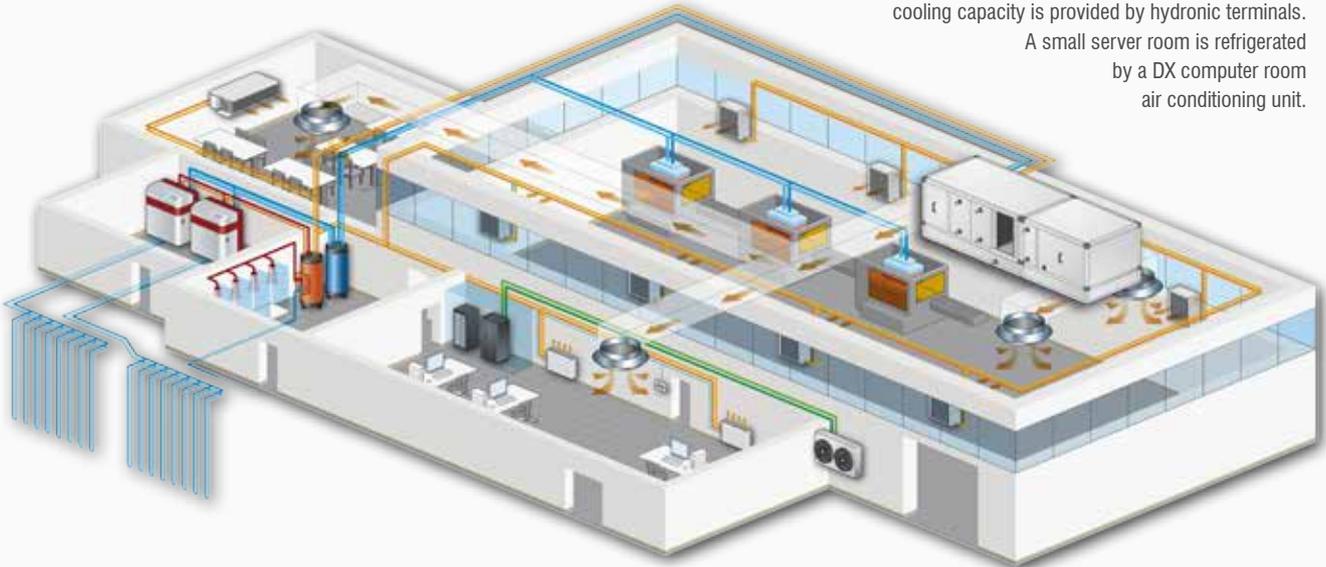
Two geothermal multifunction heat pumps provide cooling and heating to the hydronic terminals and the AHUs, warm up the swimming pool and produce DHW. The AHU, with onboard control, gives the needed comfort level to the swimming pool area and to the fitness area.



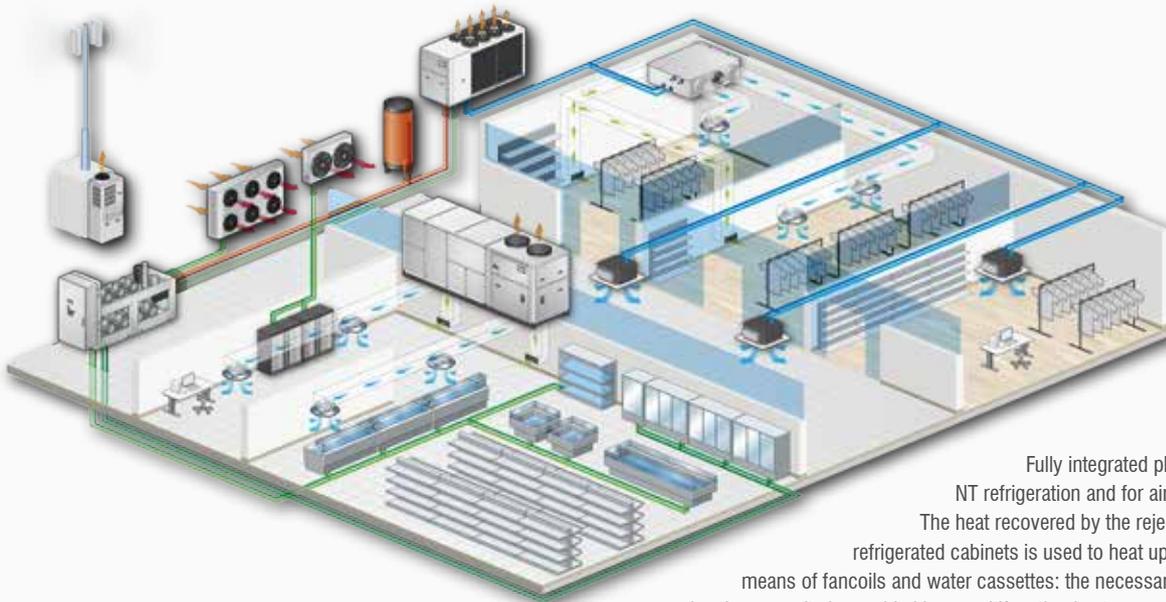
EXAMPLE OF PROCESS COOLING AND OFFICES AIR CONDITIONING

Process cooling and air conditioning plant. Two multifunction geothermal heat pumps provide cooling to the industrial process, while recovering the heat rejection and transferring it to the hydronic terminal and the AHU. The offices get fresh air from the AHU while the sensible cooling capacity is provided by hydronic terminals.

A small server room is refrigerated by a DX computer room air conditioning unit.



EXAMPLE OF COMMERCIAL REFRIGERATION AND SHOPPING CENTER AIR CONDITIONING



Fully integrated plant for LT and NT refrigeration and for air conditioning.

The heat recovered by the rejection from the refrigerated cabinets is used to heat up the shops by means of fancoils and water cassettes: the necessary cooling and heating capacity is provided by a multifunction heat pump while fresh air is treated by a rooftop with onboard Free-Cooling module with heat recovery.

A small server room is refrigerated by an "in-rack" DX unit and a monobloc telecom unit is outdoor mounted to a shelter.



THE ABILITY OF THE PEOPLE, THE PROCESS INNOVATION, THE TRADITIONAL QUALITY AND RELIABILITY: A REFERENCE FOR THE AIR CONDITIONING.

Galletti was founded in 1906 in Castel Maggiore, on the outskirts of Bologna, by Ugo Galletti.

The tenacity of the generations that have succeeded at the head of the company and the capacity to roll up their sleeves even in times of difficulty, combined with the ability and skills of all the people who have worked in this company, allowed Galletti to exceed the target of one hundred years of history and transform itself from an iron works small factory to a company with more than 150 employees.

Today Galletti, inside the homonymous Group, is the referring company for the comfort air conditioning sector, offering one of the most broad-ranging and comprehensive catalogues in the sector, boasting products that are Eurovent-certified.

The company has always invested heavily on the innovation of internal processes. Galletti today can rely on in-house research and Development laboratory, a Mechanical, Electric and Electronic design department, and cutting-edge production lines for hydronic fan coils, water chillers and heat pumps. The vertical production that distinguishes all of the companies in the Group means that in addition to the finished product, Galletti is also able to manage the production of “critical” semi-finished products such as sheet-metal processing: this is worked by an automated working center that integrates a robot for bending of small parts, a punching center and a bending center and an automatic warehouse.

Vertical production for Galletti also means, in addition to sheet metal working, the development of control software and the production of heat exchangers. All of this means for Galletti being able to offer great flexibility to its partners.

Today, the third generation of the Galletti family heads one of the leading national and international companies in the comfort air conditioning sector. Its remarkable growth and international expansion have not stopped the company from maintaining strong ties with its local community, and has continued to make important investments year after year. Today, Galletti continues to be a “Made in Italy” brand, guaranteeing the quality and reliability that have always distinguished its products.

FAN COILS



ESTRO, ESTRO GT

- 20 models for 2 and 4 pipe systems
- 6 versions with cabinet
- 3 versions ducted
- AC motors 3/ 6 speed
- BLDC motor inverter driven

Cooling capacity from 1 to 11 kW



FLAT, FLAT S

- 11 models for 2 and 4 pipe systems
- Design cabinet
- 170mm width for residential application
- HYBRID version for 0 noise-emission heating mode
- AC and BLDC motors

Cooling capacity from 1 to 5 kW



CASSETTES - HIWALLS



IWC, FM

- Water cassettes for 2 and 4 pipe systems
- AC and BLDC motors
- Built-in drain pump
- Hiwall for 2 pipe system
- BLDC motor
- Built-in 2/3 way valves

Cooling capacity from 2 to 10 kW



DUCTED UNITS



DUCTIMAX, PWN

- Ducted units for horizontal concealed installation
- Air flow from 200 to 1300 m³/h
- AESP up to 80 Pa
- 7 speed AC and BLDC motors
- Heat exchanger up to 6 rows for 4 pipe systems
- Large drip tray

Cooling capacity from 2 to 10 kW



UTN

- Ducted units for horizontal and vertical installation
- Air flow from 300 to 4300 m³/h
- AESP up to 180 Pa
- 3 speed AC and BLDC motors
- 2 and 4 pipe systems

Cooling capacity from 3 to 23 kW



FAN HEATERS

AREO

- 18 models for wall and ceiling installation
- Air flow from 1000 to 10000 m³/h
- 4 versions for heating operation
- 2 versions for cooling and heating operation
- AC and BLDC motors

Heating capacity from 8 to 118 kW



AIR/WATER CHILERS AND HP



MPIDC, MIC, MPE, MPE D

- Air condensed chiller and heat pumps
- Packaged for outdoor installation
- On/off and BLDC scroll compressors
- Built-in hydraulic kit with pump and tank
- Electronic expansion valve
- Available with plug fan for duct connection

Cooling capacity from 4 to 76 kW



V-IPER

- High efficiency chiller and heat pumps
- 20 models for outdoor installation
- A-class in both cooling and heating mode
- Microchannel V-shape heat exchangers
- Up to 3 compressors per circuit
- SEER up to 4,3

Cooling capacity from 50 to 380 kW



SCX, LCX

- Air condensed chiller and heat pumps
- Packaged for outdoor installation
- Up to 4 scroll compressors, 1 or 2 circuits
- Built-in hydraulic kit with pump and tank
- Electronic expansion valve
- 3 acoustics executions

Cooling capacity from 40 to 360 kW



AIR/WATER CHILERS AND HP



LSE

- Air condensed multi-scroll chiller and heat pumps
- Packaged for outdoor installation
- Built-in hydraulic kit with pump and tank
- Electronic expansion valve
- Standard and low-noise executions

Cooling capacity from 370 to 1200 kW



WATER/WATER CHILERS AND HP



MCW, LEW, LER

- Water condensed chiller and heat pumps
- Packaged for indoor installation
- Electronic expansion valve
- Up to 6 compressors
- Standard and low-noise executions
- Condensersless version

Cooling capacity from 5 to 680 kW



MOTOCONDENSING UNITS

MTE

- Condensing units
- 29 models for outdoor installation
- Compact dimensions
- Up to 4 compressors
- 1 or 2 cooling circuits

Cooling capacity from 5 to 205 kW



MULTIFUNCTION BLDC

HIWARM, HIWARM COMPACT

- Total heat recovery for DHW production
- BLDC inverter-driven compressor
- Electronic expansion valve
- Built-in hydraulic kit
- Split and packaged execution

Cooling capacity from 8 to 33 kW



MULTIFUNCTION ON/OFF



MCP, LCP, LEP

- Total heat recovery in 2/4 pipe systems.
- Air condensed for outdoor installation
- Water condensed for indoor installation
- Up to 4 compressors
- 1 or 2 cooling circuits

Cooling capacity from 7 to 470 kW



CONTROLS

EVO, EVOSYSTEM, ERGO

- Controllers for fan coils based on temperature and humidity
- Controllers for dual system
- Supervision system controlling up to 250 points



HiRef



INNOVATION AND FLEXIBILITY IN SOLUTIONS FOR DATA CENTER AIR CONDITIONING.

HiRef was founded in 2001 as a company focused on the production of air conditioning units for technological environments (Data Centers and telecommunications shelters); today the brand is known all around the world as being strongly innovative, technological, and product customization-oriented.

With its own highly dynamic and specialized in-house research and development center, and internal mechanical, electrical and software development design department, along with its internal semi-finished product manufacturing departments, HiRef has, over time, acquired the necessary competences to not only offer products, but also complete solutions for the world of air conditioning and chilling. It is this very philosophy that has allowed HiRef to offer its customers truly valuable services, such as assistance in plant engineering planning and streamlining system performance, completing its line of highly customized products.

The objective of HiRef is to fulfil the requirements of its customers without compromising the thermo-hygrometric parameters of the air-conditioned rooms: extensive knowledge on plant engineering, combined with a remarkable know-how for innovative technologies make it possible to reach the energy efficiency levels required to achieve meaningful monetary savings and reduce the impact on the environment.

Over the years the company has experienced rapid growth, overcoming many challenges affecting the sector, thanks to a truly unique resource that has led its success: its people. By recognizing and using the talent of each individual human resource, HiRef is now one of the companies that can boast non-stop product innovation and high quality levels, combined with extreme flexibility.

CRAC UNITS DX E CW

JREF, TREF, JREF CW, TREF CW
 Air or water condensed
 Free-Cooling
 Air flow: - Upflow,
 - Downflow,
 - Displacement
 40°C external air execution
 Single or double water circuit CW
Power range:
8 - 240 kW



CRAC UNITS DX BLDC

NRG
 Air or water condensed
 Free-Cooling
 Air flow: - Upflow,
 - Downflow,
 - Displacement
 - 40°C external air execution
Power range:
8 - 110 kW



CRAC UNITS CW FF

FCDR, SCDR
 Single or double water circuit
 Underfloor fan module
 Flow-Grid
Power range:
8 - 260 kW



UNDERFLOOR UNITS

HBCV
 High performance filter kit
 Onboard pump kit
Power range:
40 - 200 kW



HIGH DENSITY CRAC UNITS

HRC
 Air condensed DX execution
 In-row or in-rack versions
 BLDC compressors for DX execution
 Anti by-pass damper
 Sensor blower
Power range:
DX: 3 - 45 kW
CW: 10 - 75 kW



HIGH DENSITY CRAC UNITS FOR SINGLE

MRAC
 Double motocondensing unit available for MRAC
 Modulating compressor
 (BLDC) for size 7.3 kW
Power range:
3.6 - 7.3 kW



SPLIT TELECOM UNIT

HTS, NTS
 ON/OFF compressor
 or modulating (BLDC)
 Direct Free-Cooling kit
Power range:
3 - 30 kW



INDOOR TELECOM UNIT

HTD/U/X, NTD/U/X, NTG
 ON/OFF compressor
 or modulating (BLDC)
 Air flow: - Upflow,
 - Downflow,
 - Displacement
 Direct Free-Cooling kit
Power range:
4 - 28 kW



OUTDOOR TELECOM UNIT

HTW, HTWD, HTR
 ON/OFF compressor
 or modulating (BLDC)
 Air flow: - Upflow,
 - Downflow,
 - Displacement
 Direct Free-Cooling kit
Power range:
4 - 32 kW



AIR HANDLING UNIT FOR DATA CENTERS

DATABATIC
 - Direct air-to-air Free-Cooling
 - Adiabatic cooling
 - EC fans
 - BLDC compressors



AIR-TO-WATER CHILLERS AND HEAT PUMPS

TSX, HWC, TSE, XVR, TVX
 Executions:
 - Cooling only
 - Reversible heat pump
 - Free-Cooling
 Ductable indoor version
 Glycol-Free kit for Free-Cooling execution
Power range:
40 - 1500 kW



POLYMORPH MODULES

FOR WATER-TO-WATER COOLING ONLY CHILLERS

PLM-F / M / P / H / R
 Executions:
 - Free-Cooling
 - Multifunction 2 pipes
 - Multifunction 4 pipes
 - Heat pump
 - Total heat recovery
For any water-to-water cooling only chiller



WATER-TO-WATER CHILLERS AND HEAT PUMPS

XSW, XVW, MHW, XTW
 Executions:
 - Cooling only
 - Reversible heat pump
 High temperature
 hot water production
 version available
Power range:
40 - 1500 kW



DATA CENTER HUMIDIFYING MODULE

HHM
 Ultrasonic humidifier
 EC fans
Range:
0 - 28 kg/h



CETRA



EXPERIENCE AND FLEXIBILITY IN AIR TREATMENT FOR CIVIL AND INDUSTRIAL AIR CONDITIONING.

Cetra was founded at the end of the '70s in a small 300 sqm. warehouse where, thanks to skill acquired from previous experience in the air conditioning sector, the first thermo-ventilating units (TVU) were manufactured for the local market.

In the mid '80s one of the founders patented the technical solution that everyone in the sector knows today as the 3-way joint, the pivotal development that made it possible to build modular TVUs from that point on. At the same time they began to develop their first relationships with the major companies in the sector (Carrier, Marelli), making it possible, over the following decades, for the company to establish itself in Italy as one of the standard-setting businesses in the air treatment sector, and to expand into the international market.

Becoming part of Galletti group boosted the company's growth, thanks to beneficial synergies with other companies in the Group, creating cross-competences and technological solutions.

Throughout this significant evolution, Cetra has maintained the typical values of a family-run business, where work is considered a trade, and is therefore a guarantee for excellent quality.

Today, within Galletti Group, Cetra is the leader of the air treatment market for the residential and tertiary sectors, with a complete range of Eurovent-certified products. The air treatment facilities can be set so that the customer has the option of integrating them with any of the Galletti Group products.

The company has developed relevant technical skills in specific sectors, such as pharmaceutical, hospital and food. The Cetra production facility in Altedo (BO) houses a sheet metal processing division, an extensive production line divided into 6 different areas, each one dedicated to a specific sector, and a complete testing line for all of the units.

Following the Galletti Group philosophy of managing all of the production process phases in-house, today Cetra is known on the market as one of the most flexible and dynamic companies in the air treatment industry. It is known for being able to fulfil the specific requests of its stakeholders, confirmed by the addition of the rooftop air-to-air monobloc independent air conditioner in the Cetra product catalogue.

HEAT RECOVERY UNIT



RPE ERP 2016

8 models
4 configurations

Erp 2016 Ready

Cross flow heat exchanger
By pass free cooling
AC/EC motor
Efficiency 75%

Air flow:
from 300 to 3500 mc/h



RRE ERP 2018

4 models
2 configurations

Erp 2018 Ready

Recovery wheel
AC/EC motor
Efficiency 80%

Air flow:
from 300 to 3500 mc/h



HEAT RECOVERY UNIT

HRE ERP 2016

8 models
3 configurations

Erp 2016 Ready

Cross flow heat exchanger
By pass free cooling
AC/EC motor
Efficiency 90%

Air flow:
from 100 to 6000 mc/h



THERMOVENTILANTING

THT

7 models
Horizontal installation
2 or 4 pipes system
AESP up to 300 pa
Pulley fan belt

Air flow:
from 100 to 20000 mc/h
Cooling/heating capacity:
from 5 to 150 kW



TVT

7 models
Vertical installation
2 or 4 pipes system
AESP up to 300 pa
Pulley fan belt

Air flow:
from 100 to 20000 mc/h
Cooling/heating capacity:
from 5 to 150 kW



EXTRACTORS

TE, TCE

7 models
4 configuration
AC motor/ Pulley fan belt
AESP up to 300 pa

Air flow:
from 100 to 20000 mc/h



AHU

CT

39 models
Completely customized
Indoor or outdoor installation

Air flow:
from 1000 to 100000 mc/h



ADJUSTABLE AHU

CTR

39 models
Complete with regulation
Completely customized
Indoor or outdoor installation

Air flow:
from 1000 to 100000 mc/h



UTX EUROVENT



UTX

39 models
Eurovent certification
Completely customized
Installation indoor or outdoor

Air flow:
from 1000 to 100000 mc/h



AHU POOL APPLICATION

CTP

39 models
Pre-painted component
Chlorine resistant
Completely customized
Indoor or outdoor installation

Air flow:
from 1000 to 100000 mc/h



AHU HOSPITAL APPLICATION

CTH

39 models
Component AISI 316
Sanification unit
Completely customized
Indoor or outdoor installation

Air flow:
from 1000 to 100000 mc/h



AHU FOOD APPLICATION

CTF

39 models
Component AISI 316
Mineral wool insulation
Completely customized
Indoor or outdoor installation

Air flow:
from 1000 to 100000 mc/h



SANIFICATION IONIZATION SYSTEM

JONIX

Sanification ionization system
Non-thermal plasma technology
Class 1 medical device
according to 93/42 CEE
European directive

**Installation allowed
in all Cetra products**



ROOFTOP

CRT rooftop

7 models
Bldc compressor
Plug fan EC
Heat recovery

Cooling-heating capacity:
from 20 to 80 kW



SYSTEM CONTROL

MYCOMFORT EVO

Pco
advanced control



HiDew

Dehumidifiers



THE EXCELLENCE COMFORT THROUGH HIGH ENERGY-EFFICIENCY DEHUMIDIFICATION AND VENTILATION.

HiDew was set up in 2011 as part of the Galletti Group and its product range included dehumidification systems for residential and industrial applications, as well as for the services sector to complete its solutions for the HRVAC sector.

HiDew is now a well-consolidated and expanding business on the national market and is ready to compete with the most successful and long-standing sector players, with its strong experience of more than 10 years relating to its resources and the highly innovative technological content of its products.

HiDew is a dynamic company that can be proud of new products being constantly added to its catalogue. Its set-up allows for great flexibility, as well as a strong tendency for research and subsequent development of special projects for dedicated applications in a variety of sectors.

The company currently controls the market of stand-alone direct expansion dehumidifiers, industrial dehumidifiers, dehumidifiers for swimming pools in residential systems and for the services sector, and of controlled mechanical ventilation for small applications. It can also provide hardware and software to manage and adjust climate-control systems. Moreover, thanks to some important partnerships, the Company has developed, along with dehumidifiers for radiant cooling systems, a full air-distribution system with a view to providing partners not just with products, but with complete solutions. As for the other Companies in the Group, all the key processes are highly structured vertically and are conducted in-house: from research and development to the design and manufacturing of not just the products, but also the relative semi-finished products, such as management software.

Moreover, the constant interaction and cooperation within the Group itself allows for the design of full packages and synergies from various points of view. Sharing the same values for which we stand out is, therefore, our strength in an increasingly aggressive market: this is why we believe that now, as in the future, to make the difference, you need to develop the ability to offer integrated solutions for actual energy savings combined with excellent comfort levels.

AIR CONDITIONER WITH HEAT PUMP, WATER CONDENSED

HDW

- Functions:
- heating,
 - cooling,
 - dehumidification

Cooling power: 1900 – 4200 W

Heating power: 2300 – 4500 W

Air flow: 300 – 650 m³/h



AIR CONDITIONER FOR CELLARS

CCV

- Functions:
- heating,
 - cooling,
 - dehumidification,
 - humidification

Cooling power: 2150 W

Heating power: 1600 W

Air flow: 450 m³/h



DESIGN WALL-MOUNTED DEHUMIDIFIERS FOR SWIMMING POOLS

DDS

- Functions:
- dehumidification,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 46 – 226 L/24h

Air flow: 350 – 1500 m³/h



DUCTABLE DEHUMIDIFIERS FOR SWIMMING POOLS

DCS

- Functions:
- dehumidification,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 46 – 226 L/24h

Air flow: 350 – 1500 m³/h



VERTICAL DEHUMIDIFIERS FOR SWIMMING POOLS

DVS

- Functions:
- dehumidification,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 67 – 226 L/24h

Air flow: 600 – 1500 m³/h



DEHUMIDIFIERS FOR INDUSTRIAL PROCESSES

ID

- Functions:
- dehumidification,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 2960 L/24h

Air flow: 1200 – 25000 m³/h



DEHUMIDIFIERS FOR SWIMMING POOLS

SP

- Functions:
- dehumidification,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 2960 L/24h

Air flow: 1200 – 25000 m³/h



DEHUMIDIFIERS FOR INDUSTRIAL PROCESSES WITH TEMPERATURE CONTROL

IT

- Functions:
- dehumidification,
 - cooling, heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 2960 L/24h

Cooling power: 6,5 – 148 kW

Air flow: 1200 – 25000 m³/h



DEHUMIDIFIERS FOR SWIMMING POOLS

ST - with temperature control

- Functions:
- dehumidification,
 - cooling,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 2960 L/24h

Cooling power: 6,5 – 148 kW

Air flow: 1200 – 25000 m³/h



SPR - with high air renewal

- Functions:
- dehumidification,
 - air renewal,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 1380 L/24h

Recirculation air flow: 1200 – 12500 m³/h

Fresh air flow: 0 – 12500 m³/h



STR - with high air renewal and temperature control

- Functions:
- dehumidification,
 - cooling, - air renewal,
 - heating with water,
 - heating with electricity

Dehumidifying capacity: 128 – 1380 L/24h

Cooling power: 6,5 – 66 kW

Recirculation air flow: 1200 – 12500 m³/h

Fresh air flow: 0 – 12500 m³/h





HEATING AND COOLING SOLUTIONS WITH RENEWABLE ENERGIES

Eneren offers solutions for heating and cooling residential buildings with renewable energies. Eneren is composed of a team of integrated expertise that puts itself forward as a single partner, from consulting to maintenance, providing the design and production of turnkey and completely customized conditioning systems to provide greater guarantees to its customers.

Eneren's offer is characterized by solutions that seek to optimize the investment and the efficiency of the system, from the geothermal field to hybrid systems of ground source heat pumps in combination with aerothermal heat pumps and/or other sources of energy.

The services that Eneren is able to provide to its customers are the following:

- Heat pumps supply
- Heating/Cooling technology consulting and design
- Plant systems consulting and design
- Ground thermal response tests (GRT) execution
- Geothermal exchangers sizing and dynamic simulation through FEM software
- Remote assistance for plant's management and operation
- Hydrogeological and geognostic consulting and study

Integrated building-system design is one of the prerogatives that have made Eneren successful, achieving the performance set as its standard. High quality material, installation phase monitoring, full operation check and maintenance are all essential services that Eneren guarantees to its customers.

GROUND SOURCE HEAT PUMP

ENE

Water condensed
 Executions:
 - Reversible
 - Only heating
 - Only cooling
 DHW in priority
 ON/OFF compressor
Power range: 7 - 40 kW



GROUND SOURCE BLDC HEAT PUMP

ENX

Water condensed
 Executions:
 - Reversible
 - Only heating
 - Only cooling
 DHW in priority
 BLDC compressor
Power range: 3 - 40 kW



GROUND SOURCE POLYVALENT HEAT PUMP

GSE

Water condensed
 Total heat recovery
 Executions:
 - 2-pipes: DHW and cooling
 - 4-pipes: heating and cooling
 ON/OFF compressor
Power range: 7 - 40 kW



GROUND SOURCE BLDC POLYVALENT HEAT PUMP

GSP

Water condensed
 Executions:
 - 2-pipes: DHW and cooling
 - 4-pipes: heating and cooling
 Flooded evaporator
 BLDC compressor
Power range: 3 - 50 kW



GROUND SOURCE HEAT PUMP

ENW

Multi-residential or commercial
 Water condensed
 Executions:
 - Reversible
 - Only heating
 - Only cooling
 ON/OFF compressors in duos or trios
Power range: 40 - 500 kW



GROUND SOURCE POLYVALENT HEAT PUMP

ENP

Multi-residential or commercial
 Water condensed
 Total heat recovery
 Executions:
 - 2-pipes: DHW and cooling
 - 4-pipes: heating and cooling
 ON/OFF compressors in duos or trios
Power range: 40 - 500 kW



AIR SOURCE BLDC HEAT PUMP

HHP, HHE

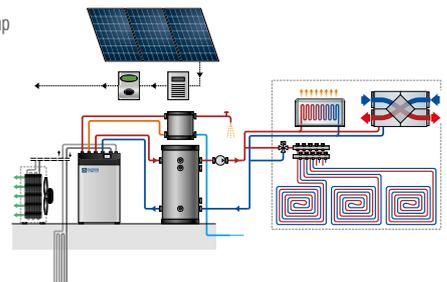
Air condensed
 Executions:
 • Reversible
 • Only cooling
 BLDC compressor in internal or external unit
 Rated power down to -10°C (HHE)
Power range: 3 - 43 kW



INTEGRATED PLANT MANAGEMENT

MY ECONOMY SYSTEM

PV system with BLDC heat pump
 Priority consumption of the PV surplus production
 The compressor modulates depending on the available PV production
 Energy is stored for later use



The logo for Tecno Refrigeration, consisting of a stylized 'T' made of blue and red diagonal bars, followed by the text 'TECNO REFRIGERATION' in a bold, sans-serif font.

CUTTING-EDGE SOLUTIONS FOR COMMERCIAL REFRIGERATION.

Tecno Refrigeration was founded in 1999 on the long-standing experience of its founders in the commercial refrigeration industry. As a part of Galletti Group since 2001, it is now a leading company in the design and production of condensing units, refrigeration units and low-temperature glycol water coolers for supermarkets, storage and freezing cold rooms for the fruits and vegetable, dairy and meat processing industries.

Each solution is developed and prototyped in-house, thanks to resources allocated in the mechanical and electrical design departments. The range of products is highly product customization-oriented, depending on specific customer requirements, and the production departments deliver with craftsman-like workmanship.

These distinguishing features have made it possible for Tecno Refrigeration, over the years, to approach niche markets such as air conditioning in naval and railway applications, contributing to the company's growth and development.

The multitude of cross-sector competences acquired over time have made it possible for Tecno Refrigeration to develop plant engineering solutions for refrigeration that can be fully combined with HVAC solutions, providing a one of a kind product.

In recent years Tecno Refrigeration has been particularly involved in the research and development of commercial refrigeration products that use low-GWP refrigerants, in keeping with the philosophy of fulfilling customer needs while offering high energy efficiency and low environmental impact, which are essential features of the company's product.

COMPRESSION UNITS

UC

- Compression units
- 1 scroll or semi-hermetic reciprocating compressor
 - Internal or external installation
 - For NT or LT

Range:
2 - 45 kW @ -10°C
1 - 20 kW @ -35°C



CONDENSING UNITS

HT / MA / KT SC

- Condensing units
- Scroll or reciprocating compressors (inverter option)
 - For NT or LT

Range:
3 - 135 kW @ -10°C
2 - 66 kW @ -35°C



MULTIPACK COMPRESSING UNITS

MC SC / MC SE

- Multipack compressing units
- 2 or more scroll/reciprocating compressors (inverter option)
 - Internal or external installation
 - For NT and LT

Range:
10 - 400 kW @ -10°C
9 - 88 kW @ -35°C



MULTIPACK CASCADE COMPRESSING UNITS

MCO2

- Multipack cascade compressing units
- Reciprocating or scroll compressors (inverter option)
 - Cascade configuration for NT and LT
 - Internal or external installation

Range:
11 - 200 kW @ -10°C
4 - 53 kW @ -35°C



AIR-TO-WATER LOW TEMPERATURE CHILLERS

TWA

- Air-to-water low temperature chillers
- Reciprocating, screw or scroll compressors (inverter option)
 - External installation

Range:
100 - 1200 kW



MULTIPACK COMPRESSING UNITS

All-In-One

- Multipack compressing units
- Reciprocating or scroll compressors (inverter option)
 - Refrigeration and air conditioning in one unit
 - External installation

Range:
17 - 150 kW @ -10°C
10 - 90 kW @ -35°C
12 - 130 kW Chiller



WATER-TO-WATER LOW TEMPERATURE CHILLERS

TWW

- Water-to-water low temperature chillers
- Reciprocating, screw or scroll compressors (inverter option)
 - Internal or external installation

Range:
110 - 1500 kW



MULTIPACK COMPRESSING UNITS FOR NAVAL APPLICATIONS

HW

- Multipack compressing units for naval applications
- Reciprocating, screw or scroll compressors (inverter option)
 - On board condenser (sea source)
 - Additional exchanger water/seawater
 - Fully responsive to Naval Register

Range:
60 - 800 kW @ -10°C
12 - 240 kW @ -35°C



HYDRONIC TERMINALS FOR NAVAL AIR CONDITIONING CABINS AND TECHNICAL ROOMS

FCC

- Hydronic terminals for naval air conditioning of cabins and technical rooms
- Recessed installation
 - Low noise
 - Centrifugal fan
 - Fully responsive to Naval Register



AIR-TO-AIR UNITS FOR RAILWAY AIR CONDITIONING

GMCHLE

- Air-to-air units for railway air conditioning
- 1 hermetic compressor
 - Low noise
 - On board condenser

Range:
6 - 20 kW @ +5 / +45°C



GH Service



THE SERVICE AND MAINTENANCE SERVICE OF THE GROUP FOR THE CUSTOMER.

GH Service was founded in 2010 as the after-sales service provider for Galletti Group, deeming the Service area as crucial to providing customers with all-round service.

GH Service is equipped and able to intervene on any type of air conditioning unit, whether it be the comfort or tertiary sector, whether it be processing machines or air conditioning units in technological environments, air treatment units or highly customized units, they take on the job with the sole aim of customer satisfaction.

Continuous interaction with the companies in the Group means that GH Service is always up-to-date on product innovation, and can therefore guarantee its customers top quality and technologically-advanced products as well as quick, effective and professional after-sales service. GH Service is available to its customers, from the design phase all the way through to the sale: it operates through an extensive network of assistance centers throughout Italy, through the support of numerous sales agencies and distributors in Italy and the world, but mostly thanks to actual direct contact with the customer.

The company's internal and outsourced staff is highly qualified, with long-standing technical experience, and constantly kept up-to-date through specific training refresher courses.

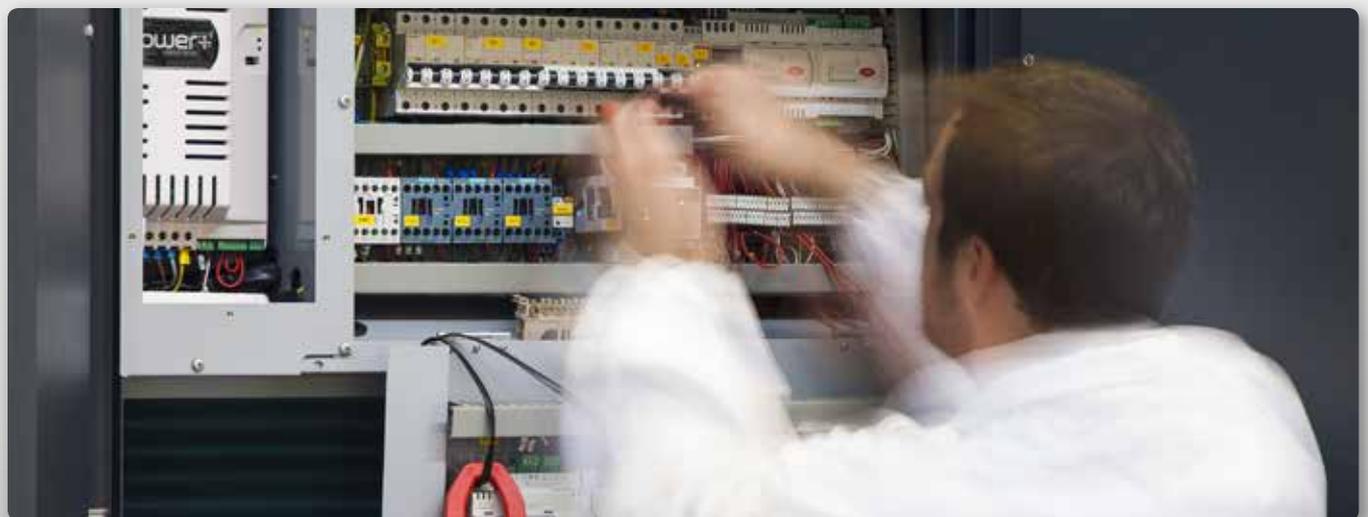
The specialized technicians at GH Service possess all of the certifications to operate on chilling cycle units and are equipped with leading-edge tools.

GH Service is able to provide a fault diagnosis service and integrated system control, commission the units for first start-up, and provide various services that complete the offer of the Group's various companies. GH Service is also able to create ad hoc warranty-extension packages and scheduled and unscheduled maintenance programs, from the provision of spare parts to unit rental. It can also provide remote management services for the units and assist customers with units containing refrigerant gases, as required by law.

In a market where it is not enough for Galletti Group to sell its product, GH Service has proven to be a crucial partner in supplying the complete package of products and services.

GH Service provides the following after-sale services:

- Maintenance for hydronic and refrigerating units
- Technical service
- Remote service for HRVAC plants
- Monitoring of HRVAC plants





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