

# COMPANY PROFILE



**SYSTEMA**

HEATING COOLING GREEN ENERGY

*focus on the future by interpreting the present...*



# COMPANY PROFILE



***“We learn from nature how to design simple and effective solutions”***

Systema S.p.A. was founded back in 1986 with the aim of providing innovative, efficient and functional industrial and civil heating technology solutions to satisfy the wellbeing of the people who use them.

It is a pioneer in heating and air conditioning systems and always with a focus on energy saving, the use of renewable energy, and the responsible use of energy.

Systema is one of the leading companies in Italy and Europe that has invested in Research and Development to provide solutions tailored to customer needs. The efficiency of the products is combined with a strong ecological awareness, to meet the growing demand for energy efficiency, use of renewable resources, reduction of consumption and containment of emissions into the atmosphere.



Thanks to its experience and know-how, Systema designs, develops, manufactures, installs and updates its products by promulgating technological evolutions and complying with the sector's technical regulations.

Systema S.p.A. has always been in the vanguard, and has constantly relied on the know-how of its personnel by carrying out projects and also by collaborating with renowned laboratories and university research centres in Italy, Europe and beyond. These collaborations have stimulated the realisation of innovative products and systems that have led to numerous international patents.



# MISSION

SUPPORT OUR CUSTOMERS BY PROPOSING ENERGY-EFFICIENT AND ENERGY-SAVING SOLUTIONS AND SYSTEMS.

# VISION

SUPPORTING OUR CUSTOMERS TO CREATE CONFERTIBLE WORKING ENVIRONMENTS WITH DEDICATED HVAC SOLUTIONS.

MISSION

VISION

SYSTEM

HEATING COOLING

MP

IG GREEN ENERGY





## SOLUTIONS

CHOOSE TO RELY ON PROFESSIONALS  
TO ADVISE YOU ON THE MOST SUITABLE  
ENERGY FOR YOUR SPACE, ENSURING MAXIMUM  
COMFORT AND REDUCING ENERGY CONSUMPTION

*It is a precious gift that translates into*  
**HEAT, WELL-BEING,**  
**QUALITY OF LIFE.**

The concept of Systema S.p.A.'s products and solutions has always been based on thoughts that are intimately connected to Nature and how it relates to human beings:

*Energy evolves, it transforms, eluding anyone who wants to take possession of it by force.*

*Instead, it rewards those who court it and know how to grasp its intimate essence.*

*It is the ancient game of nature that manifests itself, challenging our ingenuity.*

*A faithful ally of conscious man, energy allows itself to be captured and accompanies us, hand in hand, along the paths of civilisation.*





# QUALITY

*SYSTEMA products, covered by National and International patents, are all tested at the in-house laboratory and comply with European Product Reference Certificates from conception.*

Systema S.p.A. rigorously takes care of the procurement of materials with standardised quality standards. All company processes are periodically subjected to inspections by third-party certifying bodies, and the coordinated work of the planning, technical office, production and logistics processes, constantly striving for improvement, ensures that customers who rely on Systema benefit from products and solutions that are safe, reliable and with delivery times that are unique in the market.



*The company is ISO 9001:2015 certified.*

*The company system is regularly monitored by the IMQ Certification Body*

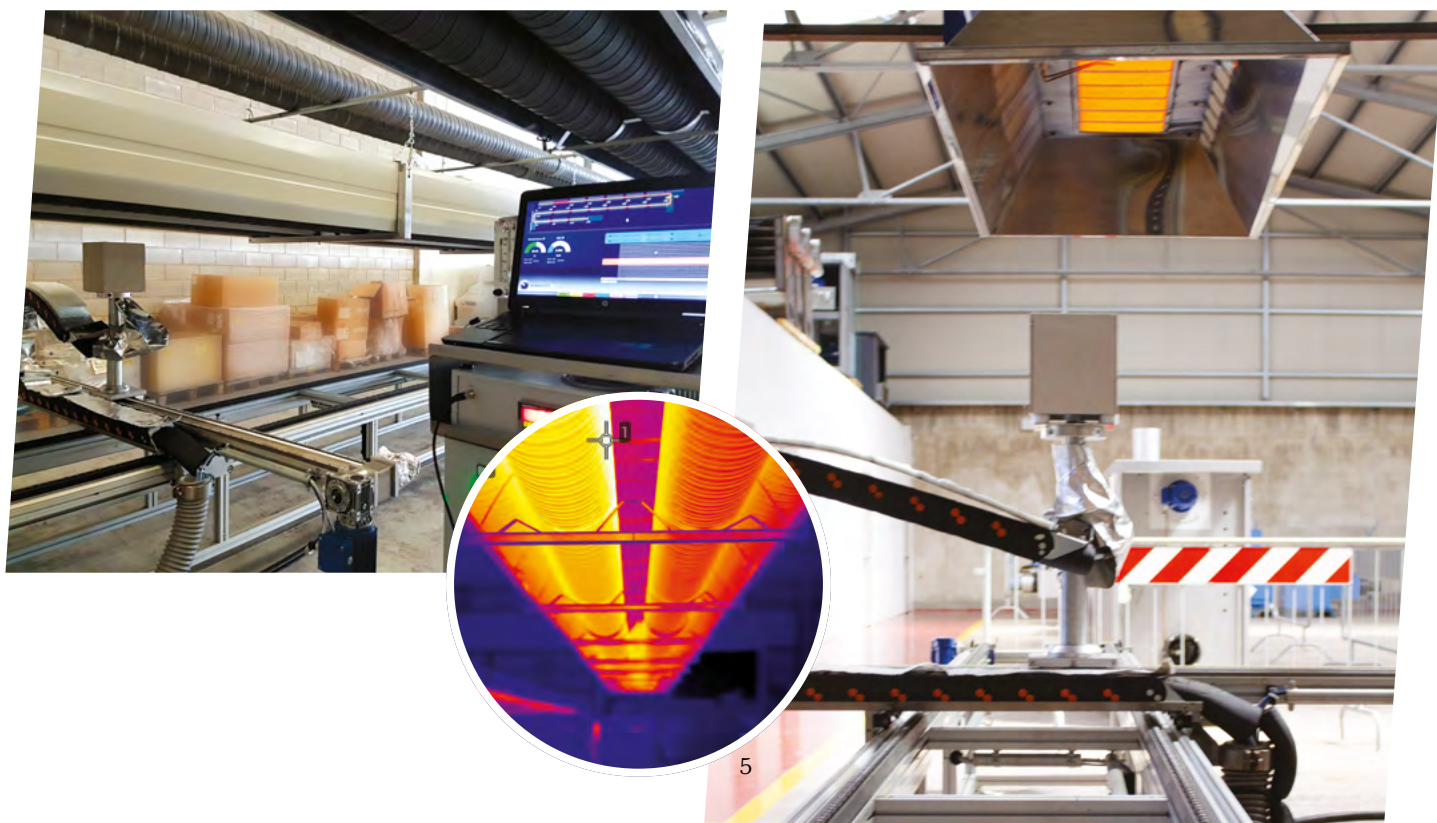


*CE Gas Appliance Regulation (GAR, 2016/426/EC)*

*ECODESIGN REGULATION (2009/125/EC, EU 2015/1188).*

*Certified radiant efficiency according to EN 17175:2019*

*SYSTEMA products are aligned with EAC and UKCA certifications*



# PRODUCTS

Systema S.p.A. stands out clearly from its direct competitors because it is able to offer the market a range of products to meet customers' needs with systems for industrial and civil heating, both radiant and hot air, absorption air-conditioning systems, electric heat pumps, adiabatic cooling, and product solutions specifically designed for the agricultural and animal husbandry sectors, with both radiant and hot air heating and cooling with adiabatic systems.



**RADIANT HEATING**



**AIR HEATING**



**COOLING**



**EVAPORATIVE  
COOLING**

Systema S.p.A. has always proposed systems dedicated to achieving optimal environmental and working conditions. The solutions adopted have anticipated the focus on energy saving, making the company the only company in the irradiation market to propose systems with very high efficiency and a national and international player in the Absorption market.

# APPLICATION SECTORS

The technological evolution of the products and the resolution with products designed on the needs of our customers, allow Systema S.p.A. to offer solutions and products, both for heating and air conditioning, capable of satisfying the needs of those who rely on our solutions even for environments with difficult and complex conditions.

The skills and products offered allow Systema S.p.A. to propose feasibility studies and solutions that, starting from the available energy sources, are able to ensure maximum comfort and minimise energy consumption for the customer.



**Industrial**



**Residential and Service sector**



**Agriculture**











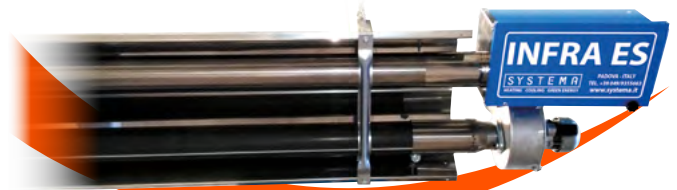
## RADIANT PRODUCTS

### OHA



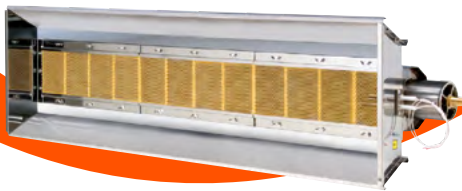
Infrared radiant strip heating systems  
**Gas-Hydrogen** mixture operation; natural gas; LPG;  
 biogas; diesel fuel  
 Condensing and high-efficiency models  
 Powers from 54 to 370 kW

### INFRA ES



Infrared radiant tube heating systems  
**Gas-Hydrogen** mixture operation; natural gas; LPG;  
 biogas  
 Single tube and U-tube models  
 Powers from 28 to 60 kW

### SCR-ECO



Gas-fired ceramic lamp heating systems  
 Running on natural gas; LPG; Biogas  
 Powers from 7.5 to 60 kW

### SCR-ELE



Electric radiant heating systems  
 Fast Medium Wave and Short Wave Models  
 Power consumption from 1.5 to 6.0 kW



## VENTILATION PRODUCTS

### DS



Destratifiers  
 Models for indoor installation  
 Air flow rate from 4,400 to 15,000 m³/h  
 Installation height from 5 to 18 m

### SV



Room Temperature Air Barriers  
 Models for indoor installation  
 Horizontal and vertical versions  
 Air flow rate from 6,000 to 21,000 m³/h





## AIR PRODUCTS

### EOLO



Wall-mounted hot air generators  
**Gas-Hydrogen** mixture operation; natural gas; LPG;  
Biogas; Diesel fuel  
Condensing and high-efficiency models with helical fans  
and centrifugal fans  
Indoor and outdoor versions  
Powers from 16 to 105 kW  
Air flow rate from 2,200 to 11,000 m<sup>3</sup>/h

### EOLO RT



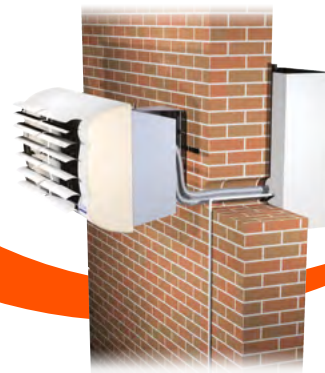
Roof-Top heating only  
Running on Natural Gas; LPG; Biogas  
Condensing and high-efficiency models  
Powers from 15 to 315 kW  
Air flow rate from 2,500 to 24,000 m<sup>3</sup>/h  
Useful head from 200 to 600 Pa

### ANEMOS



Floor-standing Warm Air Generators  
Running on Natural Gas; LPG; Biogas; Gasoil  
Condensing and high-efficiency models  
Vertical and horizontal installation  
Indoor and outdoor versions  
Powers from 11 to 1,400 kW  
Air flow rate from 800 to 80,000 m<sup>3</sup>/h

### CLIMA BREEZE



Split air heater  
Heating-only condensing boiler for outdoors  
Fan module with helical fans for indoors  
Running on Natural Gas; LPG; Biogas  
Powers from 34 to 100 kW  
Air flow rate from 2,300 to 8,200 m<sup>3</sup>/h

## NOTES

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## COOLING PRODUCTS ABSORPTION

### SY – DHL/DHH/BDH/DDHL/DDH



#### Single or double acting hot water absorbers

Models with water-lithium-bromide mixture  
Hot water supply from 55 to 200°C  
Powers from 23 to 11,630 kW

### SY – DHS/DSH/BDS



#### Single or double-acting steam absorbers

Models with water-lithium-bromide mixture  
Steam supply from 0.1 to 9 bar  
Powers from 150 to 11,630 kW

### SY – DEH/BDE



#### Single and double-effect absorbers

Models with water-lithium-bromide mixture  
Flue gas supply from 230 to 600°C  
Powers from 250 to 11,630 kW

### SY – ZL/ZH/BZ



#### Double-effect gas absorbers

Models with water-lithium-bromide mixture  
Gaseous fuel supply  
Powers from 58 to 11,630 kW

## CUSTOMISED ENERGY STATION VERSIONS



#### CUSTOMISED ENERGY STATIONS for INTERIOR use

Models with water-lithium-bromide mixture  
Complete with pumping section - plate heat exchanger -  
command and control panel  
Hot water - steam - flue gas supply  
Powers from 23 to 2,500 kW



#### PERSONALISED ENERGY STATIONS for OUTDOOR use

Models with water-lithium-bromide mixture  
Complete with pumping section - plate heat exchanger -  
command and control panel  
Hot water - steam - flue gas supply  
Powers from 23 to 2,500 kW



***SHP***

Seasonal Efficiency Class A+



**FRESCO OK**

Roof or wall installation.

**NOTE**

# SERVICE

Having the guarantee of constant functionality of products installed in industrial and civil environments is of fundamental importance to our customers. To ensure full customer satisfaction, **Systema S.p.A.** has set up an after-sales service division consisting of in-house personnel with highly specialised training and a complete set of professional tools, as well as a complete

availability of spare parts in its own warehouse, so that any type of system can be operated, programmed and serviced correctly.



**CUSTOMIZED  
ENGINEERING**



**CERTAIN LEAD  
TIMES**



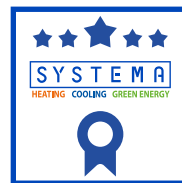
**EASY  
INSTALLATION**



**COST  
REDUCTION**



**EXECUTION  
MADE IN ITALY**



**SYSTEMA  
GUARANTEE**

**SYSTEMA S.p.A.** implements in its projects more and more technological solutions that improve and simplify the control and management of the equipment with the aid of systems for remote monitoring and control of the main parameters of the refrigeration units.



**SERVICE CENTRES**



**ORIGINAL SPARE  
PARTS**



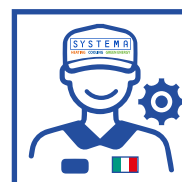
**SYSTEMA  
TRAINING**



**REMOTE CONTROL**



**MULTIYEAR  
CONTRACTS**



**INTERNAL  
TECHNICIANS**



*Tools and means*



*Vacuum meter*



*Ultrasound meter*



*Combustion  
analyser*



# TEAM

Systema S.p.A. has always been, and still is, at the Customer's side through the continuous development and improvement of its organisation to guarantee and offer highly qualified services through an extensive sales network made up of top-level technical-commercial experts, an internal pre-sales structure with experience and specific preparation in both application and regulations, and a very strong internal and external after-sales structure that Systema S.p.A. takes care to continually update to have technicians who are always active and above all highly prepared.





# EXPORT

*Systema S.p.A. has exported, and continues to export its products and working methodology, in international contexts, always complying with the regulations of the country in which it operates.*



For international development and for the integration of the offer, the decision to favour the establishment and development of the subsidiary Systema Polska in Poland was strategic; an organisation that, through highly modern and qualified production processes and a commercial structure in synergy with that of Systema S.p.A., has been able to establish itself over time and today is able to cover the needs of Poland and neighbouring countries in favour of the Group.

 **Stabilimento produttivo in Polonia**



The synergies put in place have facilitated the growth of the services offered to the market, services made up of a very high level of attention to the customer who, in Systema, finds not only a business partner but a highly qualified technical consultancy service that goes hand in hand with reliable after-sales services that are always ready to quickly resolve any problems reported by the customers themselves.

**Sede produttiva a Padova**





## NOTES



# SYSTEMA

HEATING COOLING GREEN ENERGY

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RADIANT HEATING



AIR HEATING



COOLING



EVAPORATIVE

In order to improve the quality of its products, Systema S.p.A. reserves the right to modify the characteristics without prior notice.