




# COMPANY PROFILE



APEN GROUP S.P.A.  
IS A LEADING  
MANUFACTURER  
OF HEATING  
SYSTEMS, WHO  
IS ACTIVE BOTH IN  
NATIONAL AND  
INTERNATIONAL  
AMBIT



*Apén Group, a story of love for the climate and energy savings.*

The company was founded in 1967 and ever since has pursued a history of product and process innovation aimed at the continuous search for cutting-edge solutions in technology and customer service.

Apén Group is a modern industrial organisation within the air-conditioning sector that has been able to keep up with the times, meeting the challenges of the evolution in fuels used for heating and the reduction of polluting emissions, moving from naphtha to diesel, diesel to methane and LPG right through to creating products with renewable energy, hybrids and prepared for operation with a hydrogen mixture.

With a covered surface of about 11.000 m<sup>2</sup>, Apén Group constitutes the central core around which work many small companies. The whole production is the result of an accurate job on development, quality and research for the future.







## APEN GROUP'S VALUES



### OUR VISION

We consider  
"Love for the Climate"  
(environment, people,  
relationships, collaborations)  
our way towards excellence.



### OUR MISSION

Design and manufacture products for  
the air conditioning of buildings that stand out  
for their high quality and attention to the environment  
(low polluting emissions, high efficiency and reduced  
energy consumption), working with a team  
of people that share our passion, harmony, courage,  
transparency and ethics in relationships.



## ETHICS, INTEGRITY AND COMPLIANCE



In line with its policy, Apen Group has drawn up a Code of Ethics to regulate the principles of conduct and action that must govern the activity of every employee and associates of the Company.

These values and principles have been built over the course of the company history and are the result of the passion and commitment to customers and suppliers, who have prompted the Company to pursue the path of excellence.

The Code of Ethics, first and foremost, places people (employees, customers and associates) at the centre of attention, considering the satisfaction of these Stakeholders as the way to achieving business success.





## CARING FOR ENVIRONMENT



Environment protection is essential for present and next generations' quality of life. Since the 1970s the need to protect the environment has taken on importance as a result of the increase in industrialisation and radical change in living standards. European directives in recent years, with special reference to Directive 2009/125/EC, have shifted attention to the entire life cycle of a product, marking a turning point after environmentally friendly design methods were extended to all products on the market, with the aim of improving their circularity, energy performance and other aspects tied to environmental sustainability. Apen Group's challenge is investing in research and development activities, which grant the design and the production of environment friendly products with very low impact, high performance and reduced energy consumption, ensuring optimal heating and air conditioning for all environments.







## RESEARCH AND INNOVATION



*“Commitment, creativity, and perseverance to realize small and great projects”*

Apen Group has always been in the vanguard thanks to constant product and process innovation and the ongoing search for cutting-edge technological solutions.

The various products are developed with technical characteristics and standards specific for the sector of application and offered based on consumer needs.

All production processes and work cycles are the result of the most advanced organizational and planning methods.

Significant investments in machinery and equipment have been made to ensure high levels of automation, flexible processing, timely deliveries, and reliable products.

Particular attention is paid to managing the design process, defining the main activities related to the design and development of new products/projects as well as the modification of existing products/projects, in accordance with the UNI EN ISO 9001 standard.



## CERTIFICIED QUALITY



APEN GROUP is one of the first Italian companies to be certified by an industry-wide acknowledging system at European level; we have been audited and certified to be in compliance with the quality standards defined in UNI EN ISO 9001:2015 protocol.

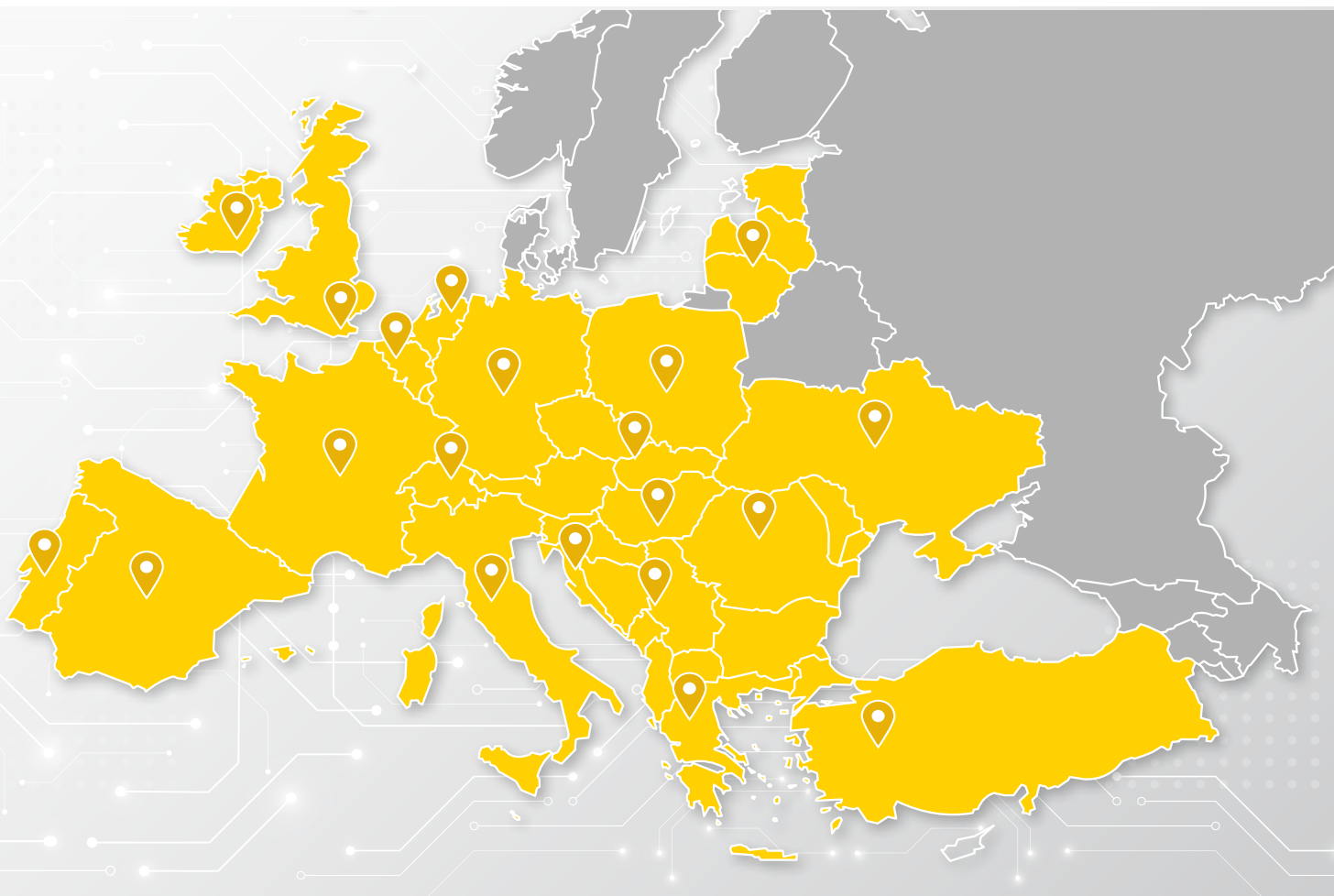
Company's commitment to quality dates back to the beginning of our history.

- In 1988, APEN GROUP obtained the DVGW (Deutscher Verein Des Gas Und Wasserfaches E.V.) certification for the marketing of suspended heaters in Germany and later in France, Switzerland, the Netherlands and Belgium.
- In 1991 we were the first Italian company in the HVAC industry to be registered in accordance with UNI EN ISO 9003 requirements. In 1993 the auditing was extended to include compliance with UNI EN ISO 9002 standards.
- In 1995 all the gas-fired appliances we manufacture were certified according to EC Directives.
- In 2013 the Board of Directors adopted the organizational model 231.
- In 2017 we obtained the certification in compliance with the UNI EN ISO 9001:2015.





## APEN GROUP AROUND THE WORLD



■ 20 PAESI SERVED

■ 45% EXPORT TURNOVER





## APEN GROUP IN ITALY



- 57 YEARS OF ACTIVITY
- 11,000 M2 OF ESTABLISHMENTS



- 350 TECHNICAL ASSISTANCE CENTERS
- 400.000 PRODUCTS INSTALLED

## RANGE OF PRODUCTS



### HYBRID SYSTEM HEATING AND COOLING WITH AQUAPUMP HYBRID

It combines the high efficiency of an electric heat pump with the versatility of a gas condensing boiler, which operate in perfect unison with the SMART X EASY/SMART X WEB thermostat control. Energy class A+++.

Plug and play product, already assembled, adjusted and with preset values.

Cooling and Heating, in a single product.

Maximum energy savings with the intelligent use of condensing technology and air-to-water heat pump.

Hybrid heating and air conditioning systems are ideal for retail environments, offices, gyms and industrial use.



### AKN SERIES OUTDOOR CONDENSING BOILER WITH AIR HEATER

Outdoor condensing boiler that can be combined with indoor fan heaters.

Class A, with high combustion efficiency up to 109%.

A product of the highest quality in terms of technology, ecology and design.

Fitted as standard with safety, protection and control devices in accordance with INAIL regulations.

Ideal for heating environments where fire risks are present, as well as retail premises and factories.





## RANGE OF PRODUCTS



### KONDENSA SERIES WALL-MOUNTED CONDENSING AIR HEATERS

Suspended modulating and condensing heaters with low Nox emissions and efficiency of up to 108%.

Composed of an electronic board with continuous power modulation controlled by a microprocessor, which allows energy savings of up to 50%.

Modulating premixed gas burner with low NOx emission in class 5 in accordance with EN17082:2019.

**Ideal for heating warehouses, logistics facilities, warehouses, retail premises and factories.**



### QUEEN SERIES AIR DESTRATIFIERS

Designed to reduce air stratification and make the temperature of the environments in which they have been installed homogeneous, exploiting the powerful air blow of the axial fans with which they are equipped.

The concept of destratification at the base of this product is simple: the hot air that tends to remain in the upper zones of the heated environments is sucked by the axial fan mounted on the destratifier and pushed downwards in the zones where people is present.

They provide a marked improvement in the microclimate: ensuring beneficial effects during both the wintertime and summertime, providing a reduction in humidity of over 20% and eliminating condensation.

**Ideal for industrial environments, large retail areas, sports facilities and gyms.**



## RANGE OF PRODUCTS



### AX SERIES WATER FAN HEATERS

The AX SERIES of water fan heaters, to be combined with boilers, heat pumps or hybrid systems, are a line of modern and reliable products designed for heating and air conditioning of a variety of structures: from sports facilities to commercial sectors, from industrial plants to the tertiary sector.

Available in standard and electronic versions, they also feature the possibility of setting cooling operation by activating ventilation and improving the comfort of the room in which they are installed.

**Ideal for heating industrial and tertiary environments, as well as sports and retail facilities.**



### AH SERIES CONDENSING DIRECT EXCHANGE HEATING UNITS

AH is a condensing direct exchange heating unit with modulating premixed burner. The machine's modular design facilitates transport and installation by providing a one-package layout in operation. The heart of the AH modular unit is represented by the stainless steel heat exchanger with the integrated modulating premixed gas burner with very low polluting emissions, which allows to reach efficiencies of 109%.

**Ideal for heating large industrial and retail environments, greenhouses and places of worship.**





## RANGE OF PRODUCTS



### AH-SPORT SERIES SINGLE BLOCK HEATING UNITS

The AH-SPORT series is a condensing direct exchange heating unit with modulating premixed burner. The project, which is the result of Apen Group's technology and experience in the handling of hot air, was carried out with the aim of obtaining a product of the highest quality specifically designed for sports environments and air-inflated structures.

The heart of the AH-Sport units is represented by the stainless steel heat exchanger with the integrated modulating premixed gas burner with very low polluting emissions, which allows to reach efficiencies of 109%.

**Specially designed for sports environments such as air-inflated and tensile structures, tennis and padel courts, gyms and swimming pools.**



### PK-SPORT SERIES HIGH EFFICIENCY WARM AIR HEATERS

The floor-standing condensing heaters have been designed both to increase technical performance and therefore safety and quality, and to meet the increasingly frequent requests for customised solutions and adaptability to the environment. These machines become an integral part of the building/plant system, whether they are in an industrial or tertiary sector.

The great flexibility, adaptability and possibility of customised installations make PK-Sport floor-standing heaters a top level product for all heating requirements.

**Designed for heating air-inflated structures, installations with load-bearing roofs for tennis courts, gyms, swimming pools and warehouses.**

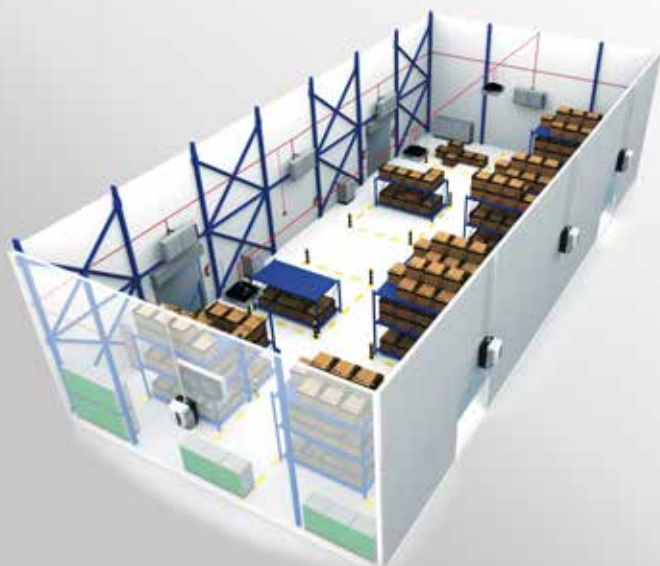


## RANGE OF PRODUCTS



### INNOVATION, CONTROL, MODULATION WITH THE SMART X EASY AND WEB SYSTEM

Smart X Easy and Smart X Web touch screen controls help manage all Apen Group products up to a maximum of 15 machines at the same time, guaranteeing maximum performance and minimum energy consumption. All this allows a clear reading of operating parameters and a wide choice of possible settings. These displays offer the consumer a clear and simple view of the operating status of the system and simplify the work of the service centre during maintenance.



### AIRCOOLING SERIES EVAPORATIVE COOLING SYSTEM

The adiabatic evaporative cooling system allows large rooms to be cooled and ventilated during the warmest months of the year, decreasing the indoor temperature compared to the outside, and providing for the air exchange needed to improve the micro-climate within the environment. The air passes through special filters soaked in water, gives up some of its heat during the water evaporation process and lowers its temperature. The absence of cooling machines minimises energy consumption, and allows for larger volumes of air to be treated at a high air exchange rate. Savings of up to 75% on cooling costs and up to 90% on installation compared to a conventional air-conditioning system.

**Ideal for industrial environments, retail, sports and agricultural activities, workshops with all types of activities.**





## RANGE OF PRODUCTS



### HEAT EXCHANGERS FOR INDUSTRIAL PROCESSES

Our heat exchanger modules are designed to meet the industrial processing needs of painting booths, industrial ovens, drying systems, and textile drying systems.

The technology developed by Apen Group allows the necessary temperature to be efficiently generated and regulated, thus ensuring the proper functionality of the production processes carried out by painting systems, ceramic drying systems, grain and tobacco drying systems, and food ovens.

**Designed for use in Industrial Processes.**



### PCH SERIES HIGH-EFFICIENCY HEAT EXCHANGER MODULES

Our high-efficiency heat exchanger modules are designed for use as HEATING UNITS in Air Handling Units and Roof-Top units.

They are designed to meet the need for heating and heat integration in AHU and Roof-Top units. The heat exchanger modules can come equipped with a premixed burner with low NOx emissions, or else can be combined with many of the most popular burners available on the market.

**Designed for insertion within Air Handling Units and Roof-Top units.**



## CONTINUOUS IMPROVEMENT



*Continuous improvement is at the core of all Apen Group activities.*

It is essential to be a market leader, to successfully face the challenges of the global market, to satisfy customers, to protect the health and safety of the workplace and the external environment and to reduce the incidence of unwanted events (such as accidents, injuries, company emergencies).





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