





# About

Enex Technologies was founded by industry veterans and pioneers in the field of natural refrigeration systems, transforming the HVACR industry with environmentally sustainable and highly energy efficient climate tech solutions that reduce global warming while making our customers successful.

We began in the 1930s by producing ammonia natural refrigeration equipment, later adding CO<sub>2</sub>, propane and water as natural refrigerants with no or ultra-low global warming potential.

Enex Technologies serves HVACR equipment installers and end-customers such as office buildings, hotels, hospitals, supermarkets, hypermarkets, convenience stores, distribution centers, refrigerated warehouses, cold storage rooms, telecommunications and data centres, process cooling, civil, military and other industrial applications with unparalleled aftermarket support, replacement parts, technical and field service and training.



**COMMERCIAL  
REFRIGERATION**



**INDUSTRIAL  
REFRIGERATION**



**HVAC**



**HEAT  
EXCHANGERS**

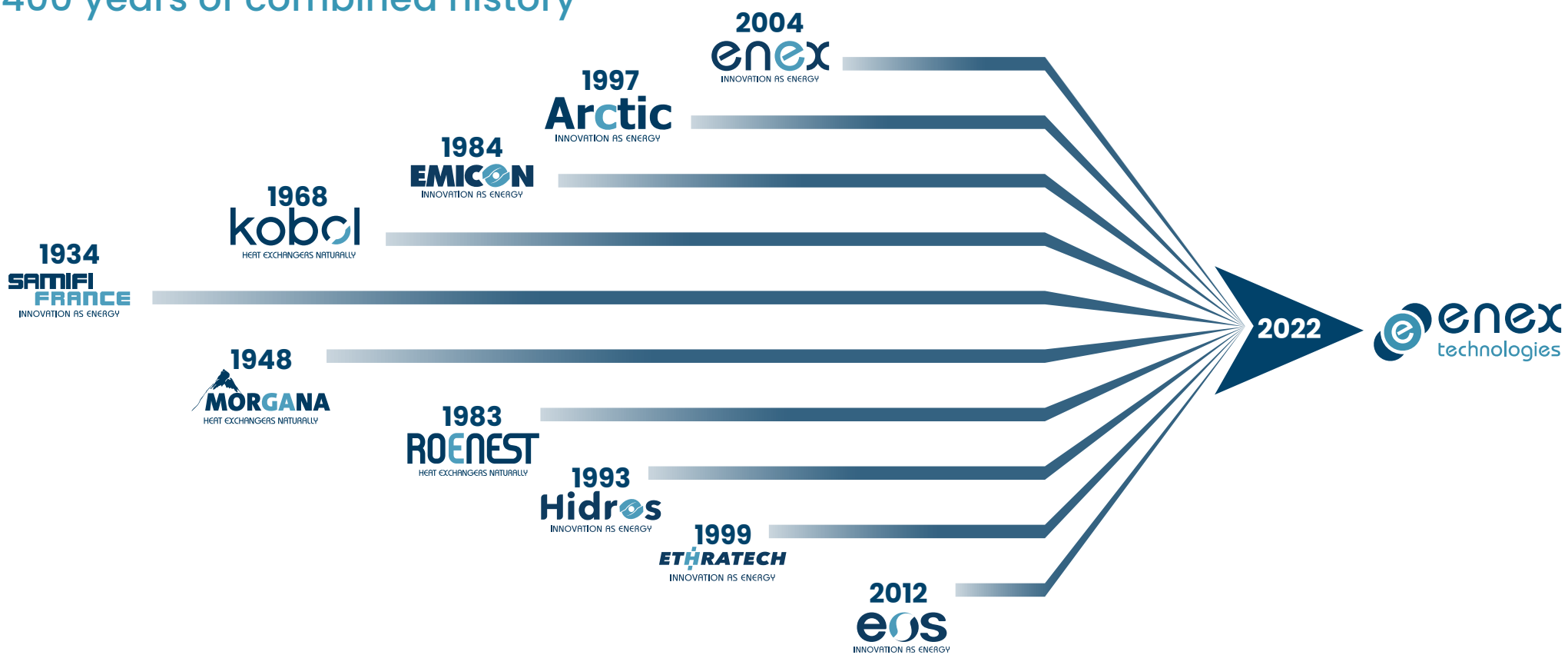




COMPANY

Pioneers and innovators in natural HVACR since the 1930s

400 years of combined history





# Our global reach is backed by solid numbers

200M€  
Revenues

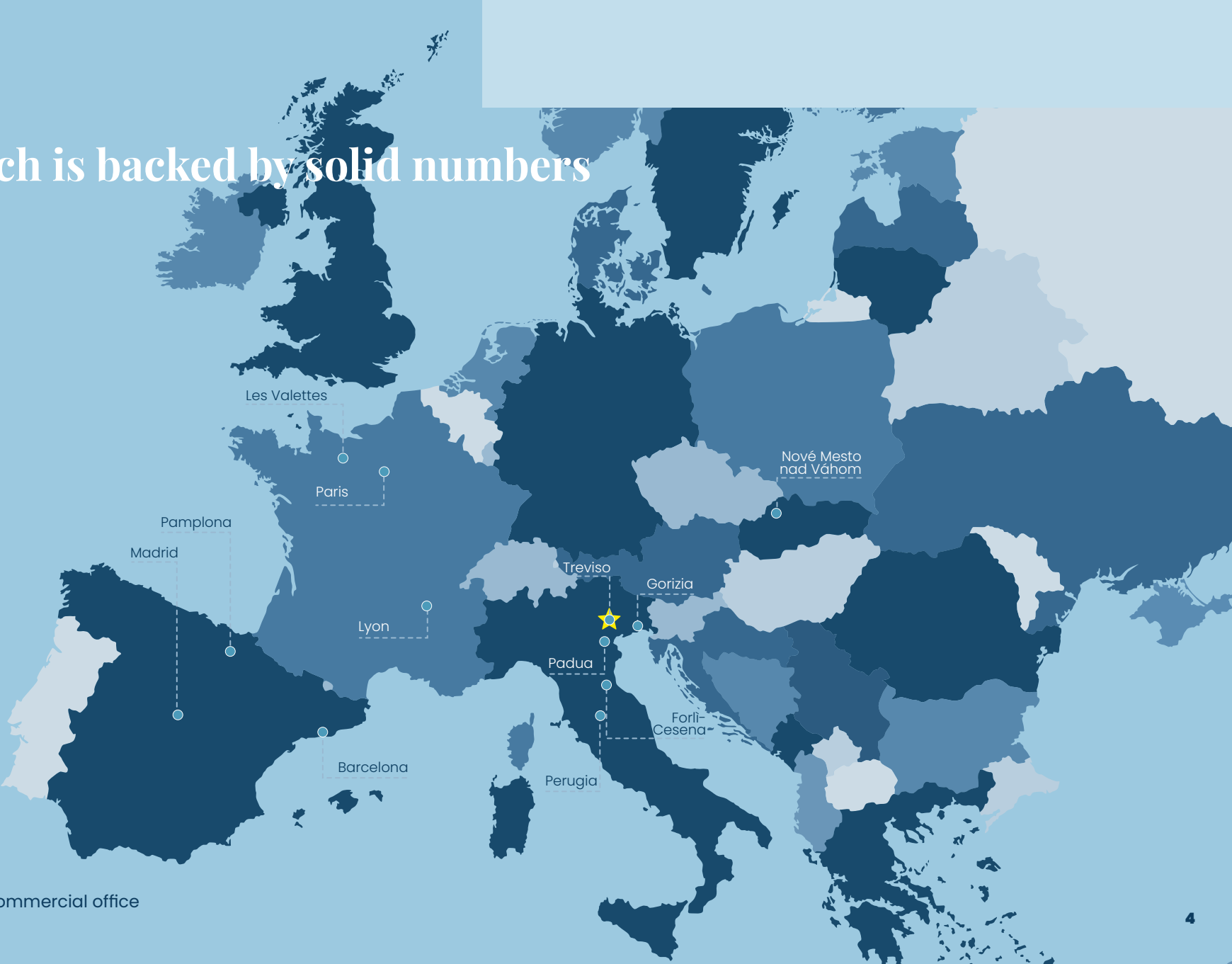
1000+  
Employees

12  
Factories

125  
Countries

★ Headquarter

● Manufacturing, R&D site and commercial office





**Our leading  
natural refrigerant,  
energy efficiency  
and energy transition  
technologies transform  
the HVACR industry**

## Natural refrigerants

Enex Technologies is committed to developing and improving innovative and efficient low global warming technologies in HVAC, commercial and industrial refrigeration systems that reduce energy consumption and environmental impact.

### **AMMONIA (R717)**

Ammonia is the most widely used natural refrigerant for large industrial applications. With a GWP of 0, Ammonia is a cost-effective, efficient, and sustainable alternative refrigerant.

### **CO<sub>2</sub> (R744)**

CO<sub>2</sub> is a naturally occurring, non-ozone-depleting refrigerant that addresses today's concerns about the global warming potential (GWP) of common F-gases. With a GWP of 1, CO<sub>2</sub> is widely and effectively used in commercial and industrial refrigeration systems.







### **PROPANE (R290)**

With its excellent thermodynamic properties and a GWP of 0,02, Propane is an energy efficient, reliable, versatile, and cost-effective natural refrigerant.

### **WATER (R718)**

With a GWP of 0 and relative stability in cooling capacity compared with other refrigerants, Water is an ideal natural refrigerant for heat exchanger applications.



  Heating  Ventilation  Air Conditioning  Refrigeration  Dehumidification					
<b>COMMERCIAL REFRIGERATION</b>					
ENEX	✓		✓	✓	
KOBOL REFRIGERATION			✓	✓	
<b>INDUSTRIAL REFRIGERATION</b>					
ENEX INDUSTRIAL	✓	✓	✓ ✓	✓ ✓	
<b>HVAC</b>					
EMICON	✓ ✓	✓	✓ ✓	✓ ✓	✓
ETHRATECH		✓	✓		
<b>HEAT EXCHANGERS</b>					
KOBOL	✓ ✓	✓	✓ ✓	✓ ✓	
MORGANA	✓ ✓	✓	✓ ✓	✓ ✓ ✓	
ROEN EST	✓ ✓	✓	✓ ✓	✓ ✓	
Ammonia   CO <sub>2</sub> Propane   Water   Low-GWP					



# TECHNOLOGIES



## Energy efficiency

The first element to consider in order to reduce environmental footprint is energy consumption. Our units consume less energy and reduce reliance on the energy infrastructure. Enex Technologies introduced innovative solutions like ejectors for evaporator overfeeding and for expansion energy recovery, parallel compression, low Delta T in evaporators thanks to overfeeding, and complete heat recovery in combined heating and cooling systems, among others, to increase efficiency.



\*Enex Technologies supports the United Nations' Sustainable Development Goals, a universal call to action to end poverty, protect the planet and improve the lives and prospects of everyone, everywhere. Specifically, our efforts to protect the planet and promote healthy development directly support Goals 7, 9, 11, 12 and 13.





## Energy transition

The transition away from hydrocarbons such as gas, oil and coal towards renewable energy sources such as photovoltaic, wind and hydroelectric requires a change to the way heat and cold are produced. Our product range includes units with zero environmental impact that are engineered for a carbon-neutral future. Enex Technologies' innovative solutions are designed for energy transition, reducing total cost of ownership while increasing our customers' peace of mind.





PRODUCTS

COMMERCIAL REFRIGERATION

ENEX

Enex is a technology leader in the commercial and industrial refrigeration sectors, specialising in the design and production of high-efficiency refrigeration systems, chillers and heat pumps using natural refrigerant CO<sub>2</sub>.



ELBA CO<sub>2</sub> REFRIGERATION UNIT

KOBOL REFRIGERATION

Kobol Refrigeration, formerly Arctic, is a leader in commercial and industrial refrigeration solutions using low GWP refrigerants.



MULTI-COMPRESSOR RACK FOR HFC/HFO



# INDUSTRIAL REFRIGERATION

## ENEX INDUSTRIAL

Enex Industrial, comprised of EOS and Samifi France, is leader in the design & fabrication of industrial refrigeration equipment, both compressorized and ventilated units, and industrial heat pumps that use only natural refrigerants Ammonia and CO<sub>2</sub>.



**NCX EVAPORATIVE CONDENSER**



**COMPRESSION UNIT MODEL SC**



**PRODUCTS**

**HVAC**

**EMICON**

Emicon provides a wide range of cooling, heating, refrigeration and dehumidification systems using natural refrigerant Propane for industrial environments, technical areas, commercial and residential buildings.



**EVEREST 290 – MODULAR PROPANE HEAT PUMPS**

**ETHRATECH**

Ethra Tech provides technologically advanced, reliable solutions for telecommunications facilities, data processing centers, the railway industry, industrial environments and automotive refrigeration.



**SPLIT AND PACKAGED AIR CONDITIONING UNITS**



# HEAT EXCHANGERS

## KOBOL

Kobol is a leading European producer of evaporators, brine coolers, condensers, dry coolers, CO<sub>2</sub> gas coolers, coils, and customized heat exchangers used in food preservation and air conditioning applications.



**FLAT CO<sub>2</sub> GAS COOLER**

## MORGANA

Morgana is a leading French manufacturer of finned coil exchangers. It delivers on demand products to agro process manufacturers and installers dedicated to the refrigeration and heating/ventilation markets.



**EVAPORATING COIL FOR AGRO PROCESS**

## ROEN EST

Roen Est is a leading European solution provider for the design and production of heat exchangers used in air conditioning, refrigeration, heating, and cogeneration applications.



**CUSTOMIZED FINNED PACK HEAT EXCHANGERS**



## SUSTAINABILITY

**We are driven by strong values  
to create a better and more  
sustainable world**



### ENVIRONMENT

Buildings consume 40% of the energy used in the developed world. HVACR systems use 60% of the energy in buildings. Our high efficiency solutions are central to reducing global warming, and we strive every day to help our customers reduce their carbon footprint by using natural refrigerants.



### INNOVATION

Always leading. From pioneering the efficient and safe use of natural refrigerants to helping the industry move away from gas heat towards systems that use electricity.



### COMMUNITIES

We are a European industrial champion, building clean factories that support new jobs, growth and expansion to new markets.



### DIVERSITY & INCLUSION

At Enex Technologies we ensure that every colleague feels respected, valued and motivated to support our customers, every day.



# We are committed to achieving carbon neutrality in all of our facilities

Enex Technologies' new, **8.000 m2 facility** in Breda di Piave, Italy, meets the strong growth projections for its natural refrigerant-based commercial and industrial HVACR equipment.

Enex Technologies has invested more than 8 M€ in the new facility, which includes a factory for medium- to large-size refrigeration units, office and meeting space, and a **250 m2 showroom**.

Enex Technologies is investing an additional 4M € to complete a new **2.000 m2 certified laboratory**, fully equipped with best-in-class testing capabilities.





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