

# the newest cold

## history

Since 1990 we are responsible for cold production using ammonia, a natural gas present in nature that leaves our environment clean. GWP=0 ODP=0

## mission

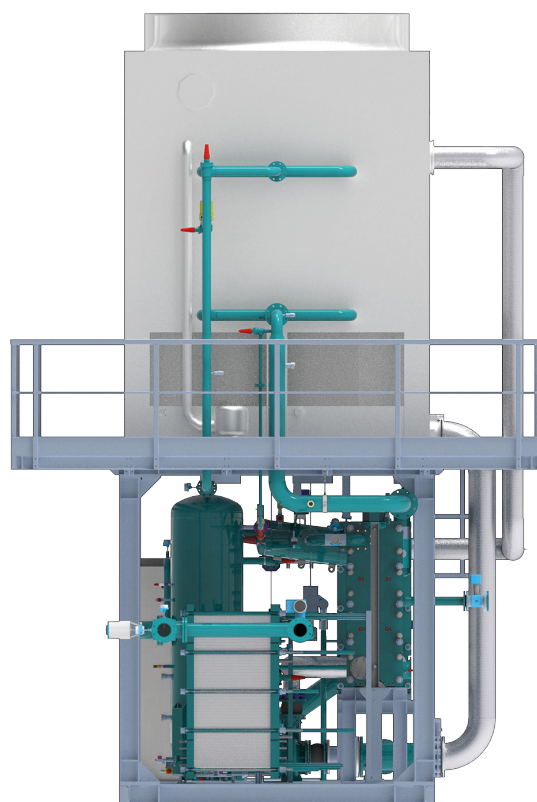
Promotion of energy savings, sustainable refrigeration, and constant innovation shape our philosophy.

## bespoke

Customer's needs are our priority. That's why we design and produce tailor-made systems.

## energy

The cleanest energy is the one that is not consumed.  
The culture of energy savings is the greatest civil act an industry can do.



### sustainable

Natural refrigerants are environmentally friendly and guarantee substantial energy savings.



### efficient

Reliable chillers with higher efficiency figures and longer life cycles. Save your energy!



### safe

Integrated ammonia vapours abatement safety systems increase the plant safety.



### smart

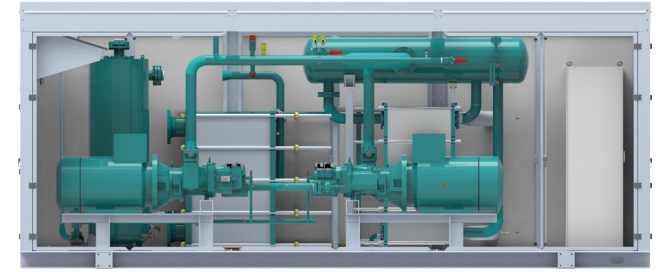
Remotely monitored and optimised units for prompt intervention and predictive maintenance.

We design, manufacture and service  
**ammonia refrigeration plants.**

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**zudek**∞

# natural refrigeration solutions



**airmatik**

## **air cooled compression chiller**

Highest thermal exchange and lowest ammonia charge.

**ecomatik**

## **water cooled compression chiller**

First inverter driven chiller in Europe.

Evaporative condenser / cooling tower, flooded system, variable loads.

**enermatik**

## **water-ammonia absorption chiller**

Cooling power produced through heat recovery from a hot energy source.

**recumatik**

## **water cooled heat pump**

Combined cooling and heating exploiting a geothermal source.

Water temperature up to +90°C, for electrification of heating and decarbonisation.

**zeromatik**

## **icy water system**

Can be installed on all units.

Direct water cooling at a constant temperature of +0,5°C.

**telematik**

## **telemetry service**

Controls and adapts machine's functional parameters to optimise its performances.

**safematik**

## **ammonia abatement system**

Can be integrated on all the units or installed remotely for existing refrigeration plants.

**zudek**

**Units for any production reality.**

