

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.

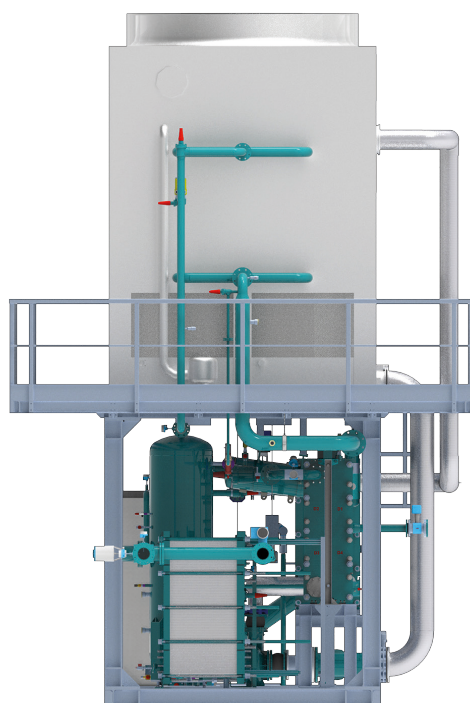
bespoke

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.

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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

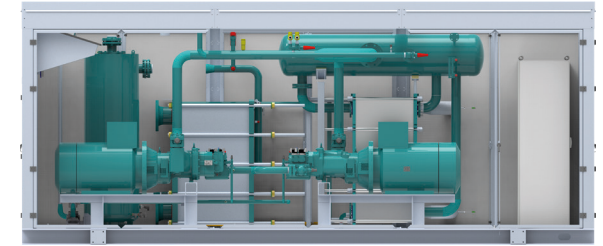
Remotely monitored and optimised units for prompt intervention and predictive maintenance.

We design, manufacture and service
ammonia refrigeration plants.

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

zeromatik

icy water system

It can be installed on all Zudek units as well as on other 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 Zudek units and/or installed on existing systems.

biomatik

CO₂ capture system

Carbon dioxide purification and liquefaction.
Recovery from industrial processes such as fermentation or combustion.

Units for any production reality.

zudek∞