

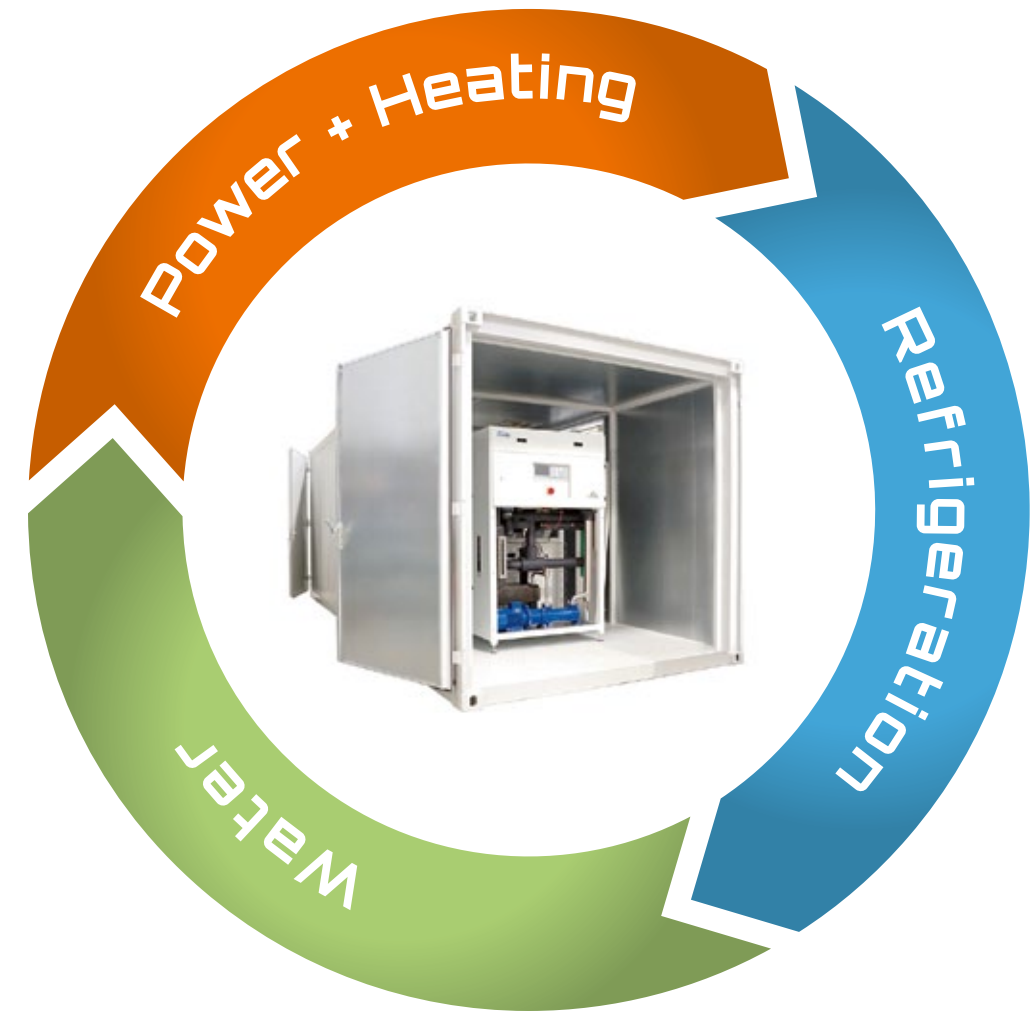
About us

Eco ice Kälte GmbH is an affiliate company of KKS (Kälte-Klima-Sachsen GmbH) with its head office in Borna (Saxony / Germany). Founded in 2013, the company specialises in the development and series production of absorption chillers for industrial and commercial customers. Our objective is to offer our customers complete systems from a single source.

Our scope of supply includes all components necessary for the operation of the plant, like an adiabatic cooling tower, a latent-cold storage unit, an ice storage tank, a heat storage unit and a cascade for low-temperature refrigeration. Eco ice works closely with academic and industrial partners and uses the synergies that result from these cooperations in the area of research and development. They have led to our latest innovation, which is a plant for the use of the cold energy released during the process of regasification of LNG for commercial applications.

Our parent company KKS (Kälte-Klima-Sachsen GmbH) has been operating worldwide in the field of commercial air-conditioning and refrigeration since 1990. KKS has established a unique position regarding the development, production and manufacturing of industrial and process refrigeration technology, especially focusing on compression cooling technology. Besides, KKS deals with the construction and assembly of plants for refrigeration and air-conditioning of vehicles, as well as with the assembly, service and maintenance of refrigeration equipment.
www.kaelte-klima-sachsen.de

Contact us and we provide you with an offer tailored specifically to your needs.



AUTARK

Autarchy through
innovative container solutions



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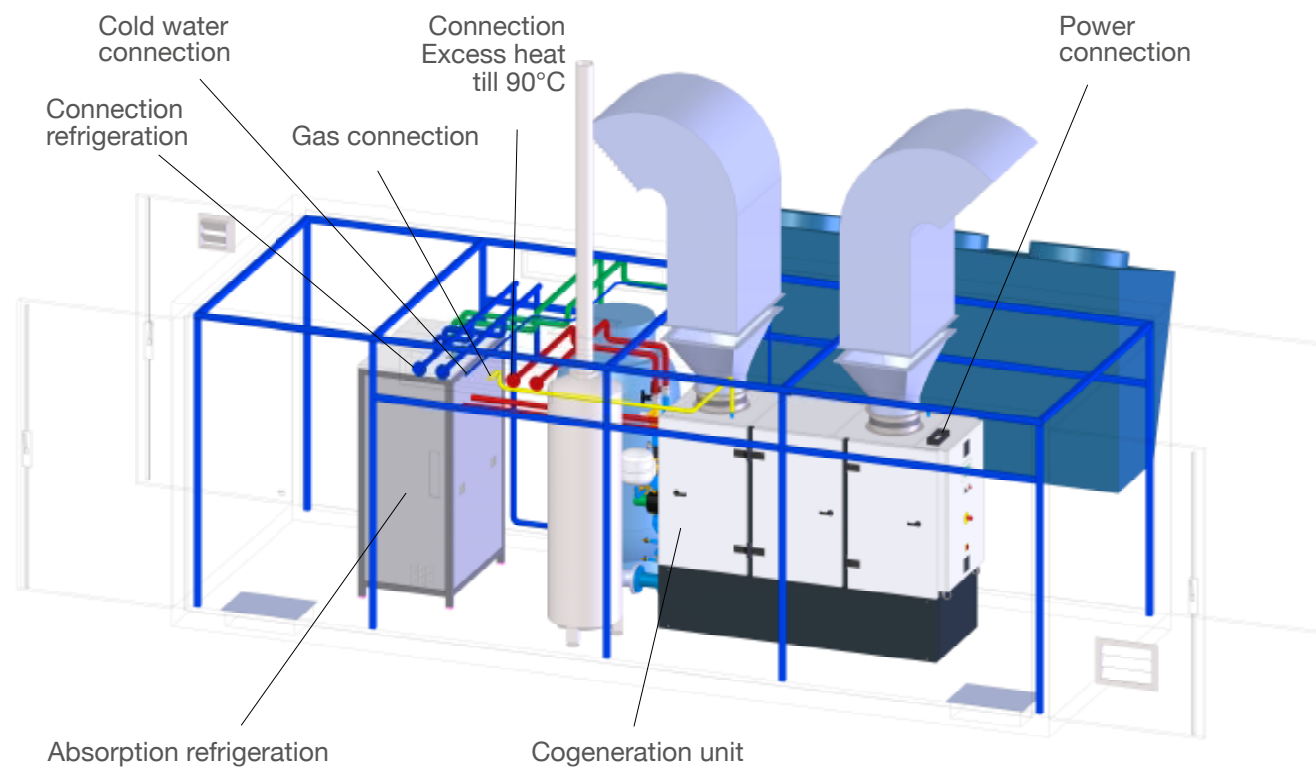
Supply of power, heating, refrigeration and water – we develop and manufacture for you tailor-made container solutions, which you can use to supply your camps in inhospitable areas.

Wherever and under whatever conditions you have to work, AUTARK provides you with a specific solution adapted to your needs. Whether you need a solution for the refrigeration of your provisions in the desert, wastewater treatment in the mountains, power for your infrastructure or heat for your accommodation facilities.

The team of Eco ice Kälte GmbH and its partners from the field of heating and wastewater technology develop innovative container systems to ensure your supply outside the regular infrastructure.

In particular, we offer:

- **Power generated by an oil- or gas-based cogeneration plant (CHP plant or gas turbine)**
- **Heat for heat supply**
- **Water heating**
- **Refrigeration for the kitchen area and food storage**
- **Air conditioning for the cooling of accommodations**
- **Purification of waste water**
- **Wastewater treatment to produce process water**



Our container solutions require the supply of water and gas / LNG or heating oil.

You decide what you need – we manufacture it for you.

Our container solutions can be divided into three requirement areas: Power + Heating, Refrigeration and Water. Due to our sophisticated engineering services „Made in Germany“, we are able to develop and manufacture a container precisely tailored to your needs.



Container for water treatment in Oman



Container solution: Power, heating and refrigeration



Container solution: Water and refrigeration

Power + Heating

- CHP in the desired performance class (electrical power 50 kW and more)
- Heat on diesel-, fuel oil- or gas base (thermal output up to 80 kW)
- Storage tank for fuel for at least 2 days
- Hot water tank for heating
- Hot water for washing and showering
- Electricity distribution

Refrigeration

- Absorption chiller to produce cold -6°C / -3°C for cooking and food storage (refrigerating capacity 25 kW and more)
- Ice storage for air conditioning of rooms
- Adiabatic coolers for the absorption chiller with the associated water spraying system

Water

- Wastewater treatment plant with an innovative membrane technology
- Wastewater treatment plant for the production of process water