

 **HECK**
Kältetechnik

Perfection through experience

We have been planning and realising cooling systems for the industrial sector for over forty years. Each machine is as unique as the requirements of our worldwide operating customers.



„We aim to be your reliable partner for long-term business relationships. Our success factors are the high motivation of our employees, short decision-making processes and solution-oriented action.“

The HECK Kältetechnik GmbH management –
consisting of the siblings Thorsten Heck,
Oliver Heck and Isabel Heck



We are HECK Kältetechnik

HECK Kältetechnik GmbH is a medium-sized, globally active family business specialised in the customer-specific manufacturing, installation and servicing of high-quality refrigeration systems for industrial and air conditioning applications.

Since the founding of the company in 1979 we have worked with our customers to build up extensive, cross-industry expertise in innovative refrigeration and air conditioning applications. Above all, the consistent and continuous further development of our solutions has helped us become an established supplier in the market. We attach great importance to cost-saving and energy-saving system concepts in everything we do.

Our approach: from A to Z and beyond

Our customers benefit from our both individual and comprehensive solution approach. We support you throughout the entire life cycle of your systems: from planning, design and construction through mechanical/electrical production and project management to commissioning and complete aftersales service.

Technologies and solutions

Experience is still the best form of expertise. The continuous development and smooth integration of our technologies into your production processes have made us into one of the leading companies in our market – worldwide.



Due to our high vertical integration and flexibility in plant design and construction, we are able to circumvent common restrictions of prefabricated standard refrigeration machines and to offer the optimum solution for the specific application.

Our technologies at a glance

> Individual chiller units

We develop your individual chilled water solution according to your specific requirements – for example in terms of dimensions, noise emissions, supply temperatures, ambient conditions, operational safety or factory specifications.

The use of intelligent control and drive concepts enables us to achieve maximum performance parameters. We are able to integrate, among other things, the necessary hydraulic accessories, a free cooling system to save energy in winter operation or a heat recovery equipment for the utilisation of freely available waste heat.

> Cost-saving direct evaporation systems

We offer you the benefits of direct evaporation technology in all applications in which larger fresh or recirculating air flows are cooled. This involves direct cooling of the air by refrigerants – an intermediate medium such as chilled water is not required.

You benefit from up to 40 % less energy consumption compared to conventional cooling systems. Additionally, investment costs for complex cold water piping including pumps and control groups are eliminated.

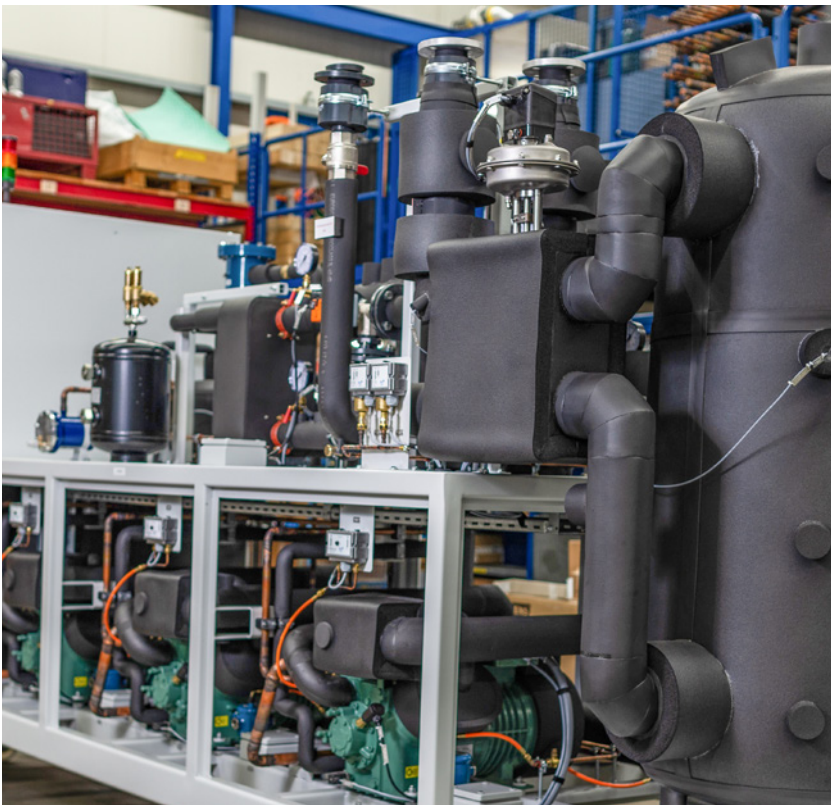




> Energy-efficient dehumidification systems

Our dehumidification systems work according to the principle of condensation drying. Integrated heat recovery results in significantly higher energy efficiency compared to alternative dehumidification concepts.

Project-specific design and construction is made according to your specifications, whereby residual humidities of only 1.5 g/kg and air outlet temperatures of up to 75 °C are possible. The integrated control technology ensures adherence to minimum tolerances.



> Customised low temperature technology

We easily achieve supply temperatures down to -50 °C with the use of two-stage compressor technology and special low-temperature refrigerants. Brine/glycol, thermal oils or air are used as coolants.

We develop an efficient and operationally reliable low temperature concept compliant to your requirements – including individual control system for high control accuracy in all load ranges and the integration of hydraulic accessories.

➤ Environmentally friendly industrial heat pumps

Heat pumps are increasingly being focused upon as environmentally friendly and highly efficient systems for the provision of heat energy, especially in consideration of climate change and constantly rising energy prices.

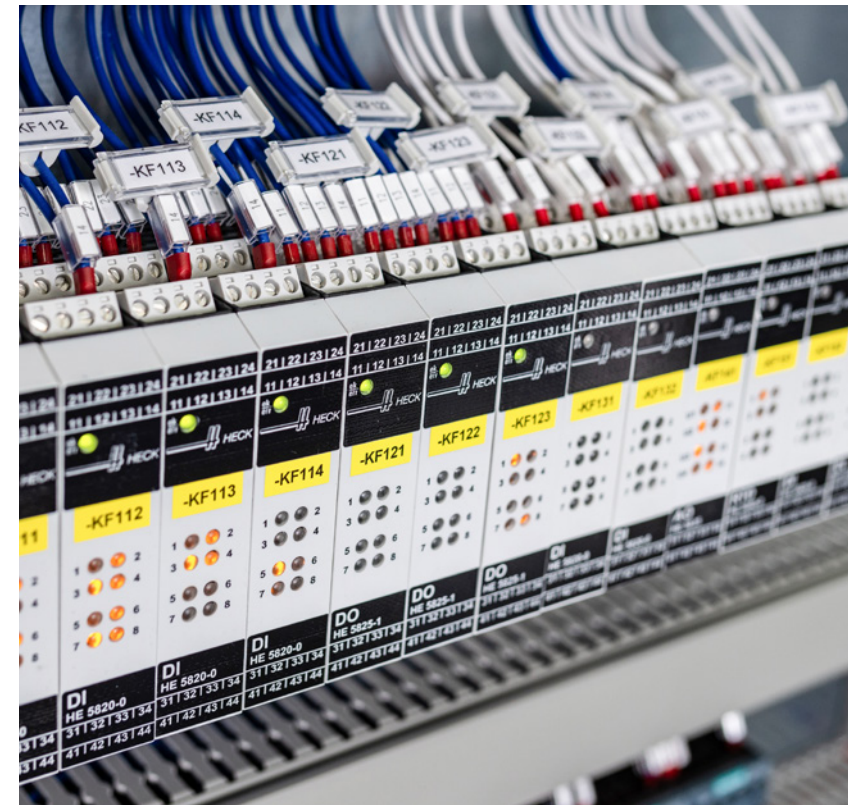
By using state of the art components and special refrigerants we offer you maximum energy efficiency while achieving supply temperatures of up to 90 °C – across a wide performance range.



➤ Customer-specific control technology

Thanks to our own electrical planning, electrical cabinet production and software programming capabilities we are able to respond flexibly to customer-specific requirements in the field of electrical and control engineering.

If required, the complete electrotechnical equipment can be designed according to your individual factory specifications. Furthermore, we can adapt to international mains voltages or integrate a remote monitoring system.



Service

In addition to the planning and manufacture of refrigeration systems, we offer our customers a wide range of services across the globe. In this way we guarantee the efficient operation and professional support of your systems.



To steadily ensure and further expand the high quality of our services, we attach great importance to demanding apprenticeship as well as the continuous further training of our service technicians via internal and external training initiatives.



Our services at a glance

> Installation & commissioning

To enable our customers to benefit from turnkey solutions we also offer the necessary installation work on site – ranging from bringing in and setting up systems and the installation of pipes to electrical cabling. Of course, our scope of services also extends to the commissioning of the systems including function tests and safety checks as well as instruction and training of operating staff.

> Maintenance & repair

Professional maintenance and thorough leak tests form the basis for an efficiently operating refrigeration system. Regular inspections enable malfunctions to be detected at an early stage, minimising downtimes and operating costs while increasing the service life. If, however, unexpected system malfunctions occur, we are at your side as an expert partner – with quick response times and smooth processing.

> Spare parts supply

The quick and reliable supply of spare parts is an elementary factor for minimising downtimes and increasing production reliability. Our particular strengths are many years of practical experience and the use of qualitative products from renowned manufacturers – we of course also offer worldwide shipping.

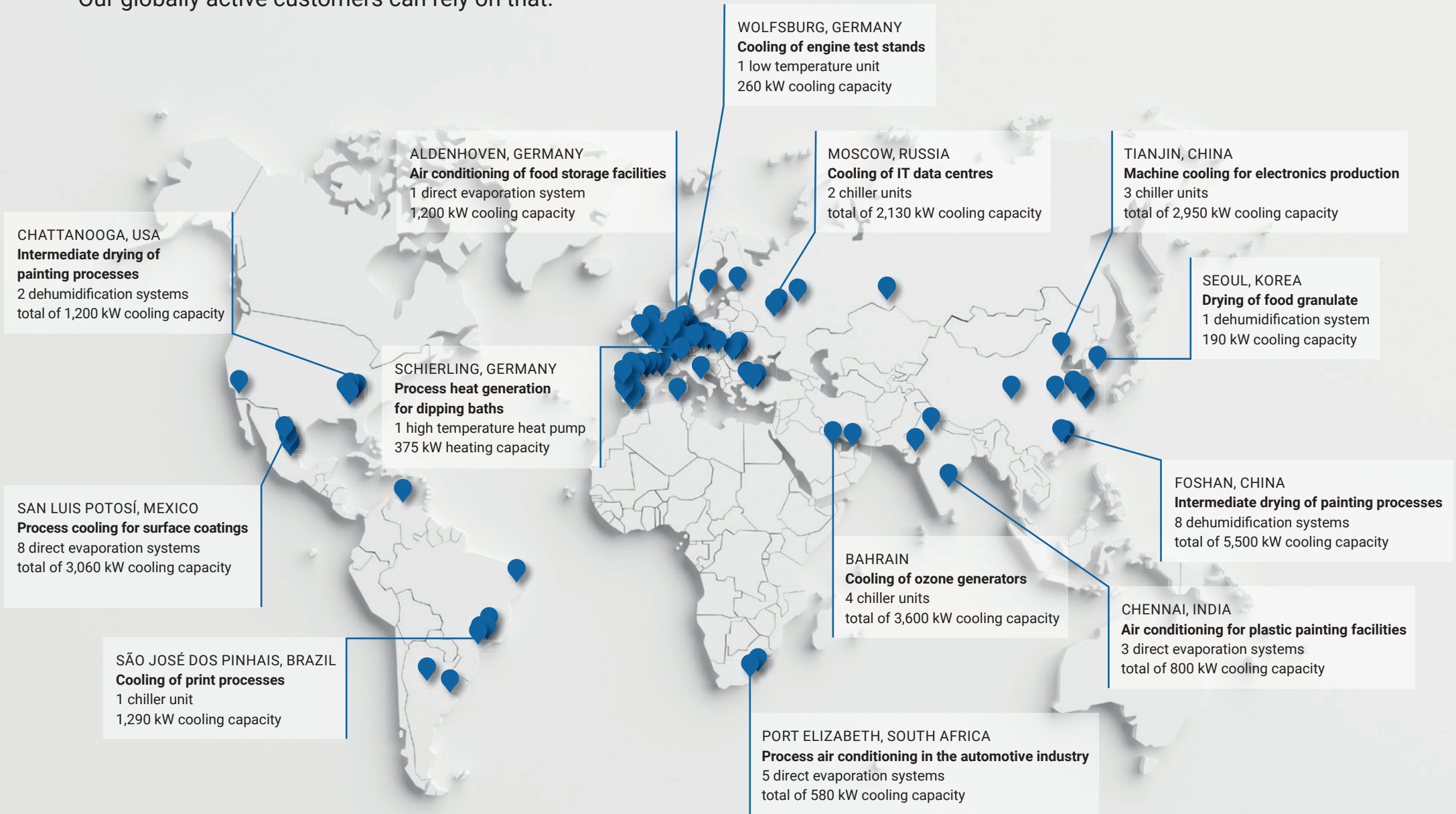
> Locations

Depend on us to be always near to you. All service assignments are coordinated from our company headquarters. Our nationwide service network guarantees short reaction times to our customers in Germany. Thanks to our multilingual service team and reliable local partner companies, all abroad services are also handled quickly and smoothly.

References worldwide

We consistently meet our high quality standards and always find first-class solutions – around the world.

Our globally active customers can rely on that.

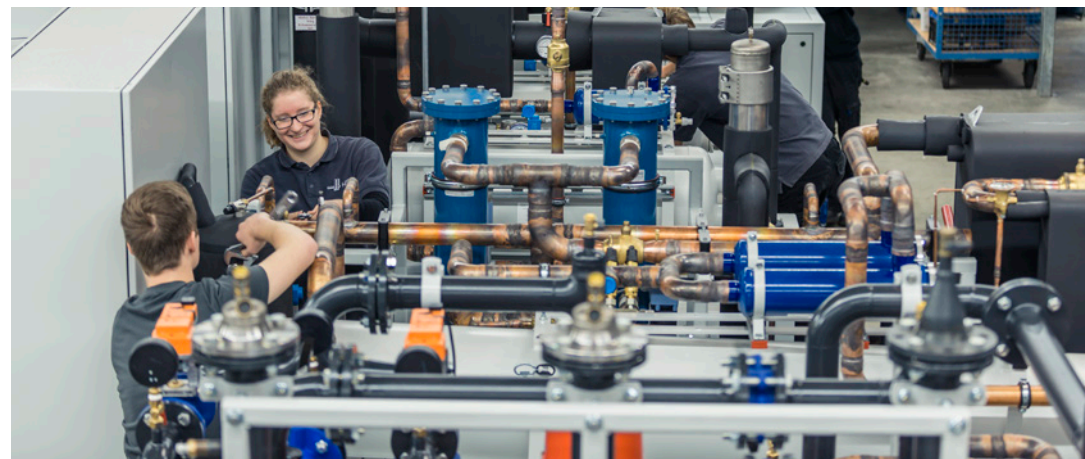


Why choose HECK?

There are a number of reasons for our customers to opt for a cooperation with us.

Our customer base is made up of plant manufacturers and end users who are active in a wide range of industries and who place very different requirements upon us. However, the primary arguments for cooperation with us can always be summarised as follows:

- ▶ Development of project-specific solutions for optimising customer benefits
- ▶ Smooth project management by competent and motivated employees at all levels
- ▶ Guarantee of highest possible system availability due to utilisation of high-quality components
- ▶ Worldwide installation and commissioning of systems
- ▶ Quick response times in case of faults
- ▶ Comprehensive after-sales service over the complete system life cycle



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