

# FUTURETECH

Kärcher Group



# OUR HISTORY



## **THE HISTORY OF KÄRCHER FUTURETECH GOES BACK TO THE FOUNDATION OF THE PARENT COMPANY ALFRED KÄRCHER SE & CO. KG**

The young inventor Alfred Kärcher started working for his father's business in 1924, where he used to develop and sell large-scale kitchen equipment, laundry systems and water extraction plants.

In 1935 he decided to set up his own firm in order to realise the ideas he had for new developments. Whereas he solely focused on heating appliances at first for tempering of steel and hardening of light metals in industries, he soon invented the first European high pressure cleaner – an invention which is still in use and has influenced Kärcher's success until today.

After his early death in 1959, his wife Irene Kärcher took over and led the company to international success.

Today Kärcher is still owned by Alfred Kärcher's children Johannes and Susanne and has become the leading supplier of cleaning technology all around the world, while still remaining loyal to its primary location in Baden-Württemberg, Germany.

## **FIRST COOPERATION WITH THE GERMAN ARMED FORCES FORMED THE BASIS FOR THE FUTURE COMPANY KÄRCHER FUTURETECH**

Shortly before his death, Alfred Kärcher himself secured the first contract for the sale of the DS 570 with the German Armed Forces. The DS 570 was a pressure sprayer for the application of decontamination and cleaning agents.

This sale was the first step towards a long-lasting and successful relationship with the German Armed Forces. Over the course of the next years, this collaboration was steadily expanded upon and led to many contracts.

As Kärcher had realised that this sector could be of great importance for the company, a new department with the objective of fully concentrating on the service for government customers and later also civil protection organisations was set up in the late 1970s.



## SALES GOVERNMENT CUSTOMERS DEPARTMENT FOUNDED IN THE LATE 1970S

At first the department was only responsible for sales and service, however they soon expanded their competences in the area of development and construction.

The formation of this department was an important milestone in the company's history, which emphasized the importance of the products and promoted further growth.

One of the first sales that were made within the new department included several hundred of the HDS 1200 pressure washer for the German Federal Office for Defense Technology and Procurement. The product was designed to clean surfaces with cold water, hot water or superheated steam. Customers could choose between a petrol-driven and an electronically powered version.

Decontamination agents and additional equipment could be added, which made the HDS 1200 suitable for the decontamination of vehicles, sensitive material, facilities, etc. Although the product has been modified over the years, the HDS 1200 is still available today.



## START OF AN ERA IN MOBILE CATERING WITH THE DEVELOPMENT OF THE FIRST TACTICAL FIELD KITCHEN

A few years after the new department was founded, Kärcher, as a specialist in the field of firing and heat transfer technology, was given a challenging task: the development of a burner working with fuel oil.

Many traditional kitchen and burner manufacturers at that time were unable to solve this task, while Kärcher managed to produce a working burner to this specification after two years of development.

As a result, Kärcher received the order to manufacture the complete field kitchen TFK 250, which finally enabled the company to enter the mobile catering market.

Within the next few years Kärcher secured several large orders from the German Armed Forces as well as from foreign customers. For example more than 200 TFK 250s were sold to Saudi Arabian customers who were very impressed by this mobile catering system and promptly ordered another 400.

In 2020 the last 3030th TFK 250 was produced in our production facility in Obersontheim, Germany.





## INTRODUCING A NEW PRODUCT LINE FOR FRESH AND CLEAN DRINKING WATER

The basis for the mobile drinking water supply systems was created in the early 1990s. The idea to enter into the technology of drinking water treatment resulted from the use of Kärcher's high-pressure pumps. These robust high-pressure pumps are needed to push the water through the membranes in the water treatment plant to produce the clean and safe drinking water.

The first product was a reverse osmosis plant, which was able to purify contaminated or sea water into drinking water. Shortly after the development of the plant, it was used in areas affected by the Great Flood of 1993 in the American Midwest and the 1999 İzmit earthquake in north-western Turkey.

Due to the successful introduction of this product line the company soon developed a larger variety of different water supply systems. In addition to reverse osmosis, the process of ultrafiltration was also introduced.



## DEVELOPMENT AND INTEGRATION OF EARLY TECHNOLOGIES - EQUIPMENT FOR FIELD ACCOMMODATION

Like many of our products, components for the mobile field camp area were developed from Kärcher's already proven technologies. Therefore the technology from the heaters built in the early days by Alfred Kärcher could later be used for military field camps.

Later, in 1995, Kärcher introduced a containerised field laundry which cleans and even disinfects washing and can therefore prevent the spreading of diseases and epidemics.

Over the next few years the field camp systems became increasingly complex: In 2005 the company then presented a highly mobile and complete field camp system to the German Ministry of Defence who was noticeably impressed by the development.



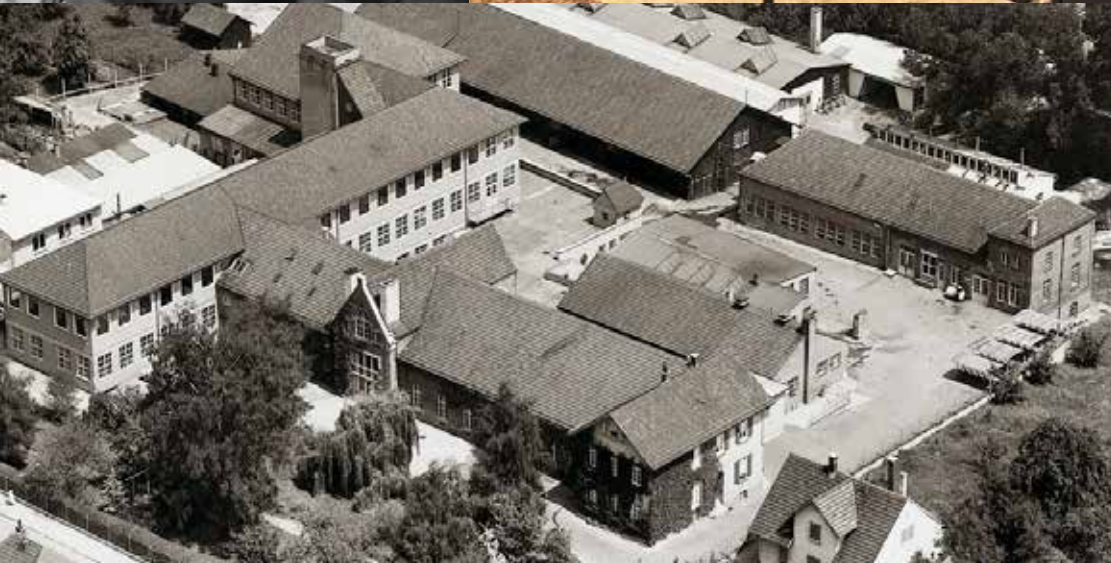


## **FOUNDATION OF THE SUBSIDIARY FUTURETECH IN 2005. A LEGALLY INDEPENDENT SUBSIDIARY WITH CLOSE TIES TO ITS PARENT COMPANY.**

Due to the successful growth of the previous years, the former “Sales Government Customers” department was transformed into a wholly owned subsidiary in 2005.

Known under the name “Kärcher Futuretech” the company is now legally independent and looking towards a bright future.

Kärcher Futuretech still has close ties to the Alfred Kärcher SE & Co. KG. The two companies closely cooperate when it comes to research and development, global service networks or financial strength.



## **STRENGTHENING OF OUR INTERNATIONAL POSITION WITH ONE OF OUR LARGEST ORDERS IN THE FIELD OF CBRN DECONTAMINATION**

Shortly after the foundation of Kärcher Futuretech, the company secured one of the largest orders in the company's history.

After Kärcher Futuretech had previously sold CBRN decontamination systems to the German Armed Forces, they ordered 73 TEP 90 systems\* in July 2006.

This sale enhanced the company's position as an international leader in the CBRN protection sector. In 2010 the company completed the contract and handed over the last of the 73 systems to the customer's complete satisfaction.

\*System which includes a wide range of solutions for the decontamination of people, equipment and clothing, large devices and vehicles as well as infrastructure and interiors.





## **GROWTH AND EXPANSION OF THE COMPANY - THE NEW HEADQUARTERS WERE BUILT IN SCHWAIKHEIM**

Due to the company's stable and promising growth and the resulting increase in employees, Kärcher Futuretech moved to its new headquarters in Schwaikheim in October 2011.

The company premises include a building complex for development, administration, sales and training as well as facilities for production, testing, quality management and service.

Since the relocation of the headquarters the company has kept on growing. Starting from a department with only 4 employees, Kärcher Futuretech has become an internationally successful company with more than 125 employees.

In 2019 Kärcher and the Norwegian supplier of container-based systems Camp Supply International AS (CSI) agreed on a closer cooperation. An agreement signed in October 2019 covers the purchase of shares in the Norwegian manufacturer by Alfred Kärcher SE & Co. KG. Since then the investment has enabled Kärcher Futuretech, as part of the Kärcher Group, to expand the field camp portfolio with products including sanitary, laundry and kitchen containers.



# MAJOR ORDER FOR THE PRODUCTION AND DELIVERY OF MODERN FIELD KITCHENS

„This is the largest single order in the history of our company so far“, says Hartmut Jenner, Chief Executive Officer and Chairman of the Board of Management of Alfred Kärcher SE & Co. KG.

In March 2020 Kärcher Futuretech won the tender and will be the partner and supplier of the German Armed Forces for modern mobile field kitchens to provide catering for their task forces.

The order covers a total of up to 400 field kitchens to be supplied by Kärcher Futuretech to the German Armed Forces over a period of 16 years. With this procurement project „Mobile Field Kitchen“, the German Armed Forces intend to replace their field kitchen TFK 250, which has been in use since the 1980s. The „field kitchen of the future“ will be characterized by highest mobility and will be equipped for operation in various climate zones of the world, taking into account modern food regulations.

In a field test from 15 January to 4 February 2021 in northern Norway at temperatures deep below freezing a team from the German Armed Forces demonstrated the cold-weather capability of their new field kitchen.





## **MOBILE EQUIPMENT SETS FOR THE GERMAN ARMED FORCES - A NEW AREA OPENS UP**

In April 2021 Kärcher Futuretech has been named as the supplier of the German Armed Forces for a procurement project to supply modular personal equipment for accommodation, feeding and hygiene.

The coordinated system provides mobile accommodation for soldiers outside their stationary accommodation. It covers the basic needs of sleeping, eating, hygiene and waste disposal for periods of between a few hours and 60 days. The aim of the procurement project is to maintain the high level operational capability of soldiers away from a fixed infrastructure.

In the first stage, the procurement project includes 3,255 sets of equipment for four persons each. The seven-year framework agreement allows for a total procurement of up to 19,000 sets.

The equipment sets will be delivered in time for use during the Very High Readiness Joint Task Force (VJTF) in 2022 and 2023 to demonstrate the system's practical suitability.



# SOME OF OUR REFERENCES

Our systems are in use all over the world – We are proud to be a part of disaster control and civil protection missions.



## **22 DSVP 10 C rapid response systems**

In the Netherlands, the DSVP 10 C rapid response system, which is used for various decontamination tasks, was intensively tested in 2017 after the delivery.



### **Decontamination of persons by the US Army**

In April 2019, the US Army tested the decontamination system for persons DSAP in Alabama in order to train and instruct the personnel.



### **Czech fire department disinfects parts of hospitals**

The Czech fire brigade disinfected dressing rooms, bathrooms, offices and corridors with several thermal aerosol generators SN 50 Decon.

### **11 Decontamination systems for the Austrian Armed Forces**

The new decontamination systems, called „Mammoth“, have been supporting the Austrian Armed Forces since the end of 2018 in decontaminating persons, vehicles, equipment, buildings and roads.





### **CBRN decontamination at the fire brigade**

The fire brigade of Großbeeren, Germany is using the hot water module HWM 100 for CBRN decontamination. Additionally they are using the water treatment plant WTC 700 to treat fresh drinking water directly on site to ensure that drinking water is available for the decontamination showers.



### **WTC 500 G training in Ethiopia**

In 2018, Kärcher Futuretech conducted an extensive training course on the WTC 500 G in Ethiopia for the Bundeswehr's Land Systems Technology Training Center.



### Water treatment in Nepal

After the earthquakes in 2015, several WTC 5000 UF treatment systems were used to supply 30.000 people with drinking water by the THW every day.



### Earthquake Haiti, 2010

After the devastating earthquake in 2010, teams from Arche NoVa and Navis travelled to Haiti to provide medical assistance and drinking water with the WTC 500 RO water purification system.



### Water treatment in New Zealand

After the cyclone on the Fiji Islands in 2016, the New Zealand Defence Forces provided the population with drinking water using the WTC 500 RO reverse osmosis plant.

## Vital aid for the people of Mozambique

In March 2019, cyclone „Idai“ swept across large parts of Mozambique, leaving behind the worst floods in 20 years in the Southeast African country. With the water treatment plant WTC 5000 UF, the Technical Relief Agency provides clean drinking water in the disaster area.



## **In action to provide clean drinking water in Uganda**

Kärcher Futuretech supplied a refugee camp in western Uganda with fresh drinking water from its water treatment plants.





### Water bottling in South Africa

Since 2016, the South African military has been using Kärcher Futuretech systems to fill drinking water into bottles and bags and distribute them to the local population.



### Water filling systems in USA

In 2017 Kärcher Futuretech was awarded a contract for the „Expeditionary Water Packaging System“ (EWPS) project by the United States Department of Defense. In 2018 the first two systems were successfully tested on site in various ways.





### **KRR 50 in the refugee camp „Camp al Azraq“**

Camp al Azraq is one of the largest refugee camps, built in the desert under the leadership of Technical Relief Agency (THW), with a maximum capacity of 130000 people. Since October 2014 about 330 meals a day have been distributed in the camp with the help of the Red Cross KRR 50 Rapid Response Kitchen.

### **Training for the MFK 2 in Taiwan**

In Taiwan, our experts provided theoretical and practical training on the Modular Field Kitchen MFK 2.





### Mobile catering in Peru

After the severe flooding in Peru in 2017, the Peruvian army provided the civilian population essential food with the help of the TFK 250.

## Mobile catering systems in use everywhere

The Technical Relief Agency (THW) is on the road with our mobile catering systems carrying out various missions.



## Mobile kitchen container KCC 500

The Brazilian army is using the mobile kitchen container KCC 500 for various missions.



## Rented kitchen container KCC 500 in Marbach

The KCC 500 was used by a hotel in Germany for nearly 2 years due to renovation work on their own kitchen.



### **Field camp in Mexico**

In the field camp in Mexico, catering and water were provided in addition to accommodation and sanitary facilities.

### **Sanitary containers and kitchen complexes for the Dutch Ministry**

Due to the hurricane „Irma“ in 2017 the Dutch Ministry purchased 28 cooling and freezing containers, 48 sanitary containers as well as 2 kitchen complexes.



# FUTURETECH

Kärcher Group

**Implementing ideas, gaining experience,  
daring to grow: this is our story –  
the story of Kärcher Futuretech.**

We started as a small department with 4 employees many years ago. Today, we are an internationally successful company and a recognized specialist for peacekeeping and disaster control. Our systems are in use all over the world to supply and protect the people.