Kelvion Service
YOUR RELIABLE SERVICE PARTNER
Welcome to Kelvion. Heat exchange is our business. Worldwide. As a market leader in the technology sector, we have been producing heat exchangers for virtually every conceivable industrial application since the 1920s, including tailor-made solutions suited for the most complex environmental conditions – as of 2015 under the name of Kelvion.

With one of the most comprehensive ranges of heat exchangers in the world, which includes compact finned-tube heat exchangers, plate heat exchangers, single tube heat exchangers, shell and tube heat exchangers, transformer cooling systems and wet cooling towers, we are a sought after partner in a wide variety of industries, such as: the energy industry, the oil and gas industry, the chemical industry, the shipbuilding sector, the food and beverage industry, the heavy industry, the sugar industry, the transport sector, as well as building and refrigeration technology.

Many years of experience and in-depth expert knowledge make us specialists in this field. Our heat exchangers are designed for the requirements of the respective process, thereby ensuring optimum energy efficiency and reliability for all market segments. This provides our customers with a technological advantage that reduces operating costs and has a lasting effect.

A reliable after-sales service is essential with regard to customer loyalty and retention. We have a worldwide service network at our disposal. Our engineers are thereby able to carry out maintenance work and complete repairs on-site at a customer’s premises. This prevents unnecessary downtime – because we are highly committed to earning your trust.

Developing and supplying products and solutions is one side of our business – comprehensive after-sales support and service is the other. Supporting you after you have made a purchase is paramount. This principle has made us a highly reliable service specialist. Our tightly-woven network of locations worldwide means we can offer our customers maximum availability wherever they are and at any time. Our service work provides us with a continual stream of new knowledge and experiences that culminate in valuable improvements and enables us to fully optimize our range of services.

Kelvion Service

OUR SERVICE IN THREE WORDS:
PEACE OF MIND

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These services include precise installation work, in-house or on-site trouble shooting, visual inspection and performance audit as part of proactive maintenance, repair and cleaning, tube replacement, provision of spare parts, and the chemical cleaning of product components in our own service workshops. Whatever we do for you, our services are oriented to specific values:

Quality and safety
With individual customer consulting and precise work, we reach the heights of service quality.

Innovation
Innovative service solutions help us meet your requirements.

Efficiency
Our parts and services increase profitability: We optimize operational procedures and maximize the availability of our systems for you.

Expertise
You benefit from the knowledge and experience of decades of service activity.

Trust
Our service employees act in a reliable, responsible, and transparent manner to earn your trust.

The Top 5 Challenges for our customers

WE CAN HELP YOU ALONG THE COMPLETE PRODUCT LIFE CYCLE

1 Avoid unscheduled downtime

Unscheduled downtime is enemy number one for many industrial companies as it leads to significant financial losses. Unplanned work stoppages cost global industries billions of dollars in lost revenue. The solution is to prevent them from happening. Kelvion provides you with full maintenance support for your equipment, including preventive measures. By monitoring your heat exchanger’s performance and operation on a regular basis, preventive measures can be taken to minimize the chance of unscheduled downtime.

What 1 minute of downtime costs:

- $65/min
- $8,851/min
- $22,000/min

3 Increase process efficiency

Many businesses have successfully embraced Six Sigma, Kaizen and other lean methods for increasing their process efficiency. However, if the heat exchangers in your process do not function properly, the performance of the process will be influenced negatively. Over time, heat exchangers can lose efficiency due to various reasons, for example erosion or incorrect pressure heights. Kelvion is always available to advise you and carry out the necessary work to keep your processes efficient.

4 Manage the variety of brands

Heat exchangers are an essential part of many industrial processes and can be found everywhere. In our almost 100 years’ experience in supplying heat exchanger technology, we have rarely seen customers with one product brand. The challenge is to manage different brands of heat exchanger that you have to ensure that they all work effectively and to a high standard. Kelvion is always available to advise you and carry out the necessary work to keep your processes efficient.

2 Prevent CAPEX investments

In today’s tough economic environment organizations are increasingly reluctant to commit to capital investment. Growing business uncertainty and the volatility of markets means that many businesses are unwilling to spend capital, which they may not have or may not bring a return on their investment. Also they may need to protect their cash flow. A cost-efficient way of keeping operations running smoothly for longer is through upgrading equipment and replacing parts, as well as regular maintenance.

5 Having the right maintenance skills

You have your own maintenance organization taking care of maintaining the critical components in your equipment or process. As technology advances and innovative solutions rise faster than mushrooms during fall season, it is always a challenge to keep the competences and skills of your people up to date. Kelvion offers training programs designed to increase competency and efficiency of your maintenance personnel.
OUR SERVICE OFFER TO YOU

START-UP SERVICES
We ensure that our products are delivered safely and are fully validated to have a trouble-free start-up and to give a robust and reliable performance during operation. We can supervise the installation, ensuring our high standards are followed, but also consult you about the best ways to keep maximum reliability and availability over the lifetime of your heat exchanger.

REPAIRS AND OVERHAULS
We understand that unscheduled downtime can be disastrous. That is why our trained engineers are ready to respond quickly in an emergency. We will review and repair components while keeping any disruption to a minimum. Any overhaul work is carried out in our service centers and conforms to the highest quality standards.

INSPECTIONS AND MAINTENANCE
Through regular inspections and maintenance, we help you to reduce costs, extend the lifetime of all your heat exchanger products, achieve a reliable performance, and to keep in line with the latest laws and regulations. This will enable you to plan your budget more accurately.

TESTING AND MONITORING
Having an understanding of the condition of the equipment allows you to secure reliable production, improve safety and energy efficiency and increase equipment lifetime. It can also help you to prevent breakdowns and prepare for the future.

CONSULTING AND TRAINING
Taking into account the special features of your process and finding the right solutions is more important to us than closing a deal quickly. We will work closely with you to develop the exact solution that is best tailored to your needs. Besides this Kelvion offers training programs designed to increase competency and efficiency of your maintenance personnel.

PERFORMANCE AGREEMENTS
Performance Agreements are individually tailored service solutions that can include any of the services in our extensive service portfolio. Based on your specific needs, they maximize your return on investment, ensure continual performance excellence and make budgeting simpler.

UPGRADES AND REPLACEMENTS
We replace components to keep our heat exchangers running smoothly and to prevent downtime. Where parts have become obsolete, we will suggest an upgrade.

SPARE PARTS AND SPARE PARTS SOLUTIONS
Even the best equipment shows signs of wear over time. We use only the highest quality spare parts, designed to match the excellence of the originals. This ensures that the optimum interaction between components is maintained. By safeguarding the original design we offer maximum security of your investment.

ALL BRAND SERVICE
Besides being experts in our own products and our former brand, we also have the expertise to service other brands.

H G D K

Dem Konstruieren geht ein Entwicklungsprozess (FE-Vorentwicklung) des Produkts voraus, wobei dessen Funktionieren durch Anwendung zumeist physikalischer Gesetze (in der Mehrheit mechanische...
The customer’s business
A global leader in animal nutrition in the south of France produces feed for billions of livestock at farms worldwide. The production process produces large amounts of water vapor that is used to generate electricity for the entire plant via turbines. The company uses an Air Cooled Condenser (ACC) to cool down the water to cool the turbine.

The need for a solution
During a routine cleaning of the finned tube bundles of the ACC, Kelvion discovered that the airflow wasn’t functioning properly. We carried out a full audit which showed that the airflow of the two ACC fans was below 50% of the original specification, resulting in a huge underperformance of the complete installation. With the summer season – and rising temperatures - on the way, the customer faced a major risk of downtime for a critical component.

The implementation
Kelvion calculated that selecting another fan profile, changing the motors and the gearbox, and redesigning the ejector skid (which was based on old technology), would raise the performance to the required level. The design was done by our specialist consultant who also ensured that the existing walkway could support the new equipment with minor changes. In addition, we provided a fogging system and ladder-mounted cleaning systems to make future maintenance easier.

The solution in action
The installation was split into three phases to make the most efficient use of the planned shutdown period. First, the removal and replacement of the old ejector skid, the installation of the two ladder-mounted cleaning systems, and positioning the pumping skid that supplies the water for fogging and cleaning systems. The second phase involved taking down the ACC fans, replacing the old motors and gearbox, and installing the new fans. Phase three was the commissioning of the pumping skid, fogging system and cleaning systems. To complete the job we cleaned the ACC tube bundles with the help of the customer’s maintenance personnel who wanted to learn how to do this themselves in future.

The result
The new ACC design resulted in a performance gain of 215% and allowed the turbine to produce 6-7 megawatts of electricity steadily. During the hot dry summer months the fogging systems allow for an even higher performance increase.
Companies such as Kelvion that are internationally active are obliged to conform to internationally accepted conventions: of social, political, and legal nature. Our corporate code of conduct describes the principles and procedures behind our corporate actions. This code applies to all our employees worldwide. We ensure compliance with the regulations in a working environment that is characterized by integrity, respect, fairness, and responsibility.

We respect and observe the law.
The basis for all action at Kelvion is the observation of all applicable laws and other regulations. We supplement these rules with especially designed, particularly strict internal guidelines and training with regard to certain aspects of the law.

We act internationally.
Kelvion strictly observes as binding the statutory regulations that apply to our products and services involved in international commerce. We observe all applicable bans on exports and imports and observe all official authorization procedures.

We wholly reject corruption.
Kelvion rejects any type of commercial corruption, both domestically and on foreign markets. In order to underline this fact, we have drawn up our own anti-corruption guidelines that enforce rules of proper conduct to which we adhere at all times. These rules apply both in our dealings with officials and with the bodies and employees of other companies.

We support fair competition.
In a spirit of fair competition, we work hard, orient this work to our customers’ needs and ensure the quality of our products and services. We observe all applicable domestic, supranational, and foreign anti-trust laws as well as any laws pertaining to unfair competition. We also expect this level of fairness from our competitors.

We ensure socially acceptable working conditions.
We are committed to the principles of social responsibility towards our employees and society. Kelvion offers its employees fair working conditions worldwide. We reject any form of discrimination, with respect to gender, sexual orientation, origin, skin color, or any other personal characteristics. We see ourselves as a socially responsible employer that treats its employees with respect.

We protect the environment.
From development, to manufacturing, and to the sale of our products, we protect the environment throughout each of these phases. This principle applies not only to the energy we employ, but also to the protection of our natural environment at every workplace worldwide.

We ensure product safety.
For our customers, we develop innovative, high-quality products and processes – and product safety enjoys top priority.