



HUBER
TECHNOLOGY
WASTE WATER Solutions

**Products – Solutions – Service
Global Presence**



Tradition Quality Innovation

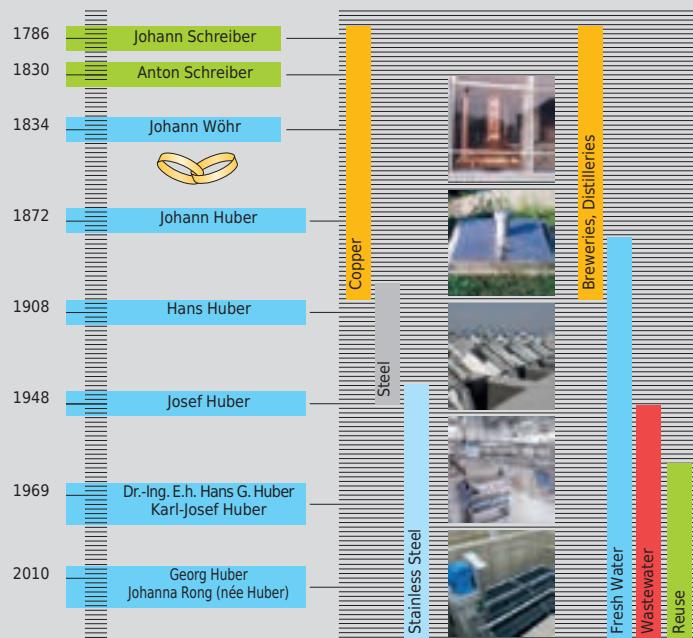
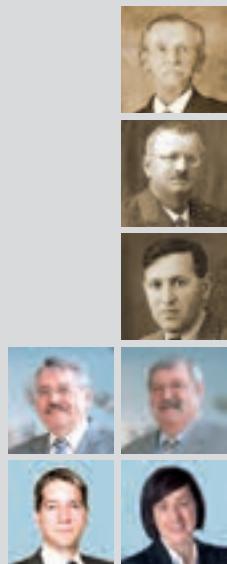


Future Needs the Past

We have a common vision as to how to shape the future together – the future of our Company and the future of the environment. In the light of these tasks we rely on our staff's expertise and skills, and their commitment not only to make use of their knowledge but to continuously broaden the scope of their abilities.

Backed by many years of Company tradition, we are prepared to shape the long-term approach for future development

- of our staff
- of our clients



"Paths are made by walking."

Franz Kafka

We Feel Committed to Environment



Water is Life

The United Nations proclaimed 2005 through 2015 the International Decade for Action 'Water for Life' to bring the worldwide problems linked with water and sustainable use of water to the forefront of the public's attention.

We recognize that we cannot solve water problems throughout the world but are determined to make our contribution towards offering appropriate concepts and products which help to get nearer to achieving the goals of the Water Decade.

We also know that water and energy are closely connected. To reduce climate-damaging emissions and the consumption of fossil raw materials, we place great value on the energy efficiency of our solutions. Our acting therefore takes into account the idea of

sustainability as an essential element.

Increasing water shortage, the results of the climate change, finite resources, fast growing megacities – these are only some of the diverse challenges of the future we are faced with in different countries and cultures.

We are ready to rise to the challenge of developing for all these situations adapted novel concepts and to support people with our know-how and expertise.

To this end, we have developed appropriate products and concepts tailored to meet specific requirements:

- centralized, semi-centralized and decentralized concepts
- water reuse
- small spaced water and energy cycle systems
- energy recovery and efficiency

"No single measure would do more to reduce disease and save lives in the developing world than bringing safe water and adequate sanitation to all."

Kofi Annan (UN Secretary General 1997 to 2006)



Former Federal President Horst Köhler awards Dr.-Ing. E.h. Hans G. Huber the German Environmental Award 2006 in recognition of his great contribution to the solution of the world water problems.

The Human Factor as the Centrepiece



Staff Motivation and Commitment: Team Spirit at HUBER



Skilled Staff Provide for Expertise and Know-How

As a result of the multitude of tasks that we feel committed to accomplish the most diverse knowledge is demanded from each member of our staff including our craftsmen's work. Our staff's expertise across all these disciplines is both the foundation and guarantee for the quality of our services and products.

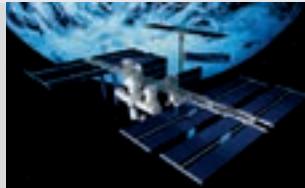
Our success is based on their commitment and dedication to meet the highest expectations that our customers have a right to demand and expect from us and it is that which we are ready to fulfil.

With a view to better serve our customers' needs, we have meanwhile established a global team of experts which whilst offering us the opportunity to explore new market opportunities also involves new challenges for us with regard to our Company structure.

We know that we need to provide for permanent education and on-the-job training of our staff to ensure our progress in achieving our goals.



Every Part of Business in Our Hands



Innovation for the Benefit of our Customers

"Nothing Endures but Change" – This describes our continuous striving for the optimal orientation of our company, policy of acting and product development. The world around us is subject to continuous change as ecological, economic, social and legal conditions are changing and with them the customers' requirements and demands.

To serve these needs, innovations and creative ideas are necessary combined with the readiness and know-how to successfully implement such novel concepts.

We are ready to rise to this challenge and adapt our internal processes in terms of efficiency and effectiveness, develop new concepts and optimize existing products and solutions.

We use our own innovative strength and cooperate with scientists, universities, research institutions and suppliers to develop innovations, coupled with our vision of providing **optimum value for our clients**.



*HUBER Technology Prize:
A welcome challenge for young engineers*

"If there is a way to do it better ... find it."

Thomas Alva Edison, inventor of the lightbulb

A Complete Range of Products, Solutions and Services



WASTE WATER SOLUTIONS

Products and Solutions for the Treatment of Water, Wastewater and Sludge

A complete range of products for the following areas:

- mechanical wastewater treatment
- sludge treatment
- membrane technology
- filtration and filtration
- residue treatment
- stainless steel products

Our solutions are designed for:

- centralized wastewater treatment plants
- sewer systems
- semi-centralized and decentralized wastewater treatment
- wastewater reuse
- heat recovery
- decentralised water and energy loops
- industrial wastewater
- water treatment
- water supply

We provide worldwide service.

We are aiming to offer products designed to provide the highest level of value for our clients and the environment as we have and wish to present solutions for our customers that come from a single source with singular responsibility.

The foundation for the efficiency of our products is laid in the development phase and it is the combination of latest production machinery in conjunction with a global sales network, and worldwide service to ensure long-term functional reliability of our products, that enables us to offer superior quality solutions tailored to meet specific customer requirements throughout the world.

We feel committed to providing product support throughout the entire life cycle of all our products and solutions.

HUBER stands for best life-cycle value.



Mechanical Wastewater Treatment



HUBER Quality – Proven in Practice



- Screening
- Filtration
- Washing
- Transport
- Dewatering

Solid, Tailor-Made Solutions

As any further step of sewage treatment is built on mechanical wastewater treatment, we focus on each of its aspects.

Our range of machines for wastewater treatment encompasses almost every flow rate and a vast variety of bar spacings which copes with the requirements of almost every separation capacity, including fine screening which is a necessity for today's membrane technology.

These machines are used within inflow arrangements of sewage treatment plants as well as in storm-water constructions (storm screening) with overflow arrangements.

Their fields of application are

- municipal and industrial wastewater
- storm-water
- process water

HUBER products and solutions are available also for cost-effective disposal of the screenings removed from the wastewater.

With our expertise and extensive program of grit treatment systems we are able to offer tailor-made solutions for any requirements. Grit becomes a valuable resource.



Sludge Treatment



Optimum Performance – At All Times



- Screening
- Thickening
- Dewatering
- Transport
- Drying
- Thermal utilization

All from One Source

Sludge treatment is a key issue in the overall context of wastewater technology. The more wastewater is treated worldwide, the more sewage sludge will be generated that needs to be treated and disposed of. The requirements sewage sludge treatment systems have to meet depend on the specific ways and methods of sludge disposal applied, which differ from country to country and even from region to region.

Our aim is to provide our clients with complete solutions from a single source and to offer a programme which covers all steps of sludge treatment. Our products and solutions for sludge screening to remove coarse material and fibres are the basis for further steps of efficient sludge treatment.

In addition to all these treatment steps we are also able to offer different machine types, with an aim to

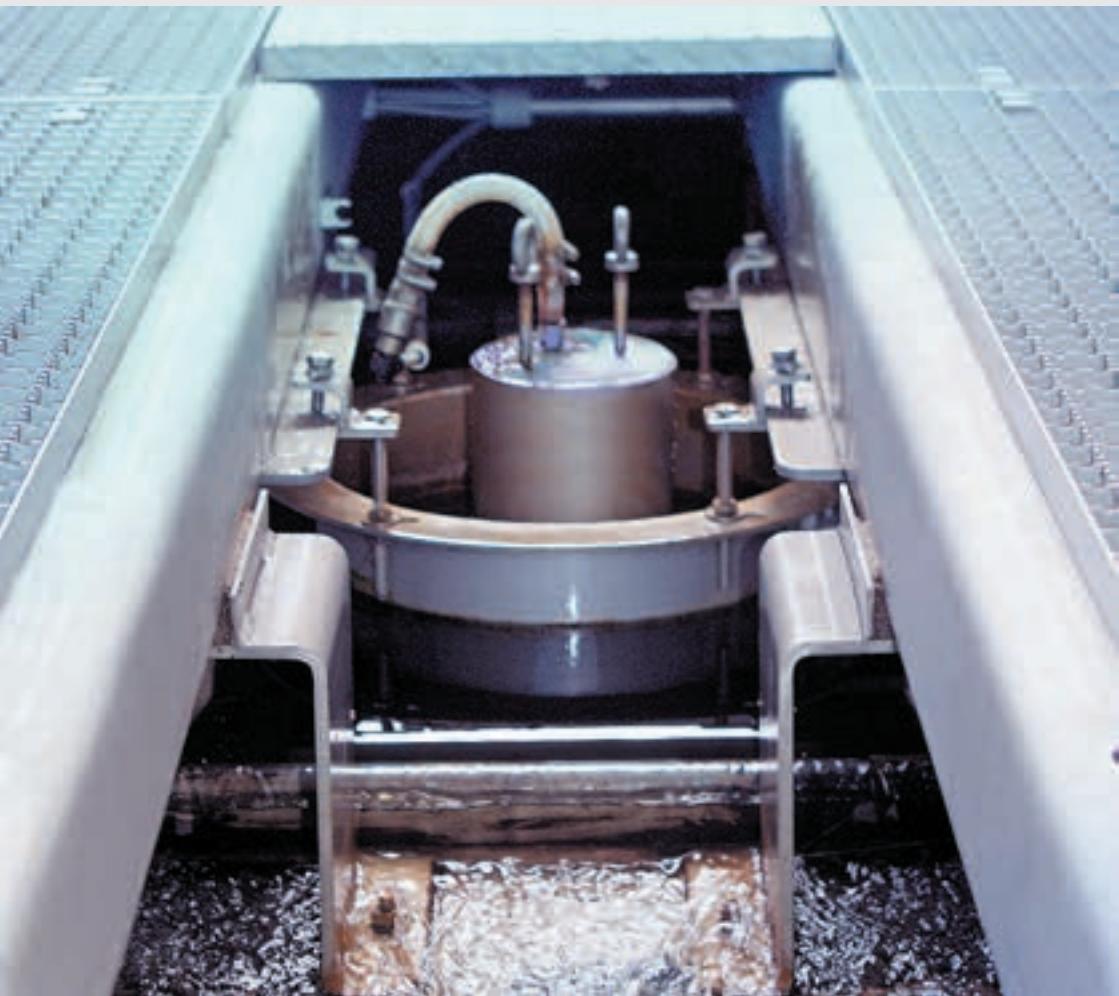
find the greatest possible value and optimum solution for our clients. This also encompasses the operating efficiency and life cycle costs of our machines being taken into account.

With our solar drying and belt drying systems we are able to provide the optimal application-specific solution for the required throughput – sustainable sewage sludge disposal concepts.

Moreover, our decentralized and energy-autarkic sludge2energy system provides the option to use the sludge itself as an energy source.



Advanced Wastewater Treatment



Wastewater Reuse Plays a Crucial Role in Solving Global Water Problems



- Flotation
- Filtration
- Membrane technology

Novel Technologies for Superior Efficiency

To reuse purified water, to make economic use of fresh water and thus to protect the environment also calls for the development of relevant technologies and their optimization to suit the requirements of every day use.

As experts in flotation and filtration we can provide the suitable solution for the treatment of wastewater, process water and drinking water.

Membrane bioreactors represent a new landmark for wastewater treatment. We have actively enhanced the further development and improvement of this innovative technology for a variety of applications in the field of municipal and industrial wastewater treatment.

Optimum purification qualities and minimum footprint requirements open up a wide field of applications for HUBER membrane technology.

These technologically simple and reliably operating systems treat the wastewater to a degree of quality that permits its reuse for irrigation, as toilet flush water or in industrial processes.

They substantially contribute to relieving the water situation especially in the arid regions of the world.

HUBER makes wastewater a resource.



HUBER Solutions for the City of Tomorrow



Green Buildings with HUBER Solutions for Water Reuse and Heat Recovery

Large buildings, such as hotels, shopping malls, office or residential high-rise buildings, use large amounts of energy, heat and water. The provision of these resources costs money and pollutes the environment. Conversely, large buildings also generate large amounts of warm, energy-rich wastewater. However, this valuable resource is typically discharged straight to the sewer or environment and then the water, energy and nutrients are all lost.

In view of the climate change the utilization of the wastewater flow as energy and heat source has increasingly become a topic for consideration. Concepts for the reuse of service water recovered from wastewater can be realized by using innovative membrane systems.

Economically beneficial concepts and solutions need to be developed that take into account the entire range of treatment and recovery technologies. Such concepts need to be incorporated already in the building planning phase. HUBER SE has developed such innovative concepts and solutions and is able to offer the suitable solution for any application.

Green Buildings with HUBER Solutions are Building Blocks for the City of Tomorrow.



Increased Energy Efficiency



Our Business is to Minimize the Energy Demand for Wastewater and Sludge Treatment and Use Wastewater as an Energy Source.



Recovery of Thermal Energy from Municipal and Industrial Wastewater

Water and energy are inseparably connected. When we want to clarify wastewater or sewage sludge we need energy. The generation of this energy usually sets free CO₂ emissions and contributes to the much-discussed climate change. It is therefore our endeavour to develop energy-efficient HUBER solutions in order to minimize the energy demand for wastewater treatment.

But wastewater contains also energy: chemical energy that can be converted into biogas in digestors, or potential energy that can be utilized via water wheels. The richest energy resource, however, is the thermal energy contained, which can profitably be recovered by means of heat exchangers and heat pumps.

For this purpose, we offer the HUBER ThermWin® system for the recovery of wastewater heat by means of heat exchangers especially developed for the medium wastewater.

ThermWin® makes wastewater a regenerative energy source, reduces CO₂ emissions and minimizes the consumption of fossil fuels.

HUBER solutions contribute to increasing the energy efficiency and use wastewater as an energy source.

Wastewater as a valuable resource.



Brilliant Solutions: Stainless Steel Parts



Reliable, Durable and Proven:
Details of a Successful Product Line



Quality as Philosophy:

A Variety of Products for the Most Challenging Technical Requirements Made of the Highly Wear-Resistant Material Stainless Steel

Our comprehensive range of products manufactured from stainless steel mirrors the high quality standard that we apply to our complete range of equipment.

We are very proud of being the first to introduce stainless steel as the basic material for water and wastewater as this is the only material able to ensure a significantly increased quality of sustainability.

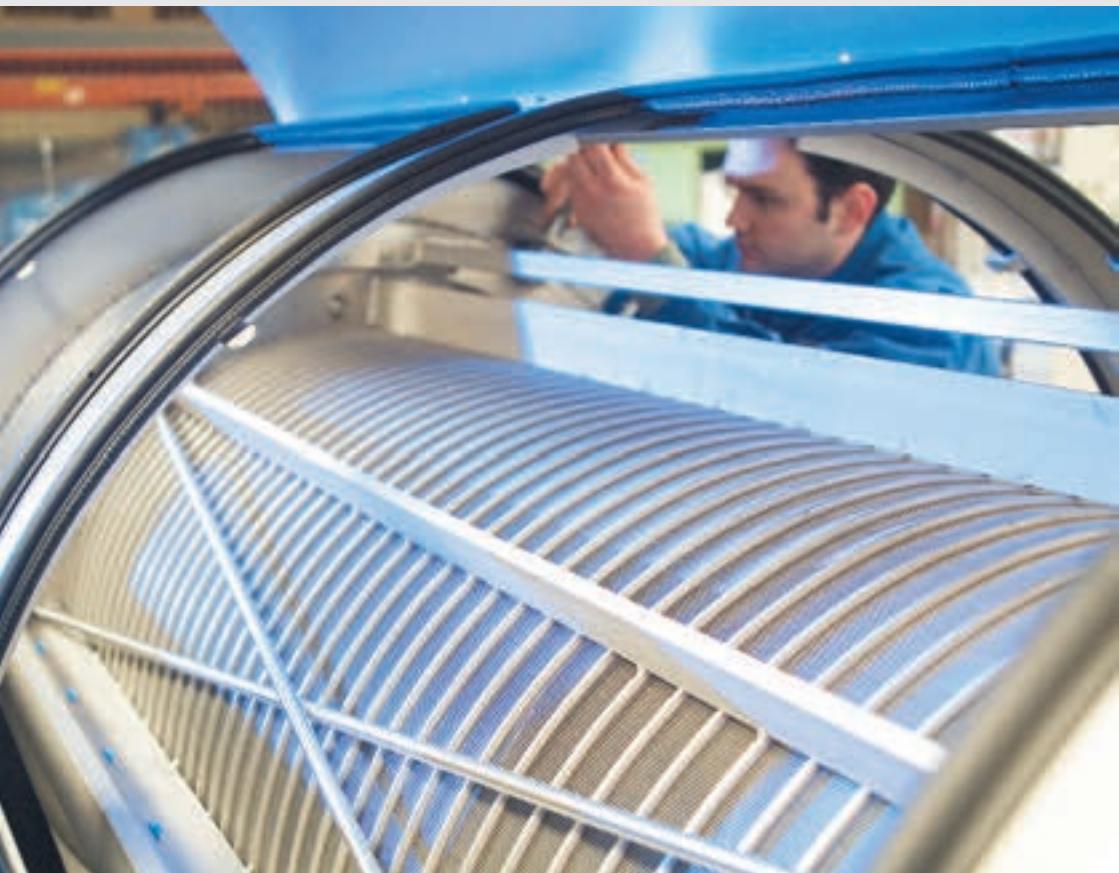
Expert manufacturing processes, which notably includes that all products undergo acid treatment in a pickling bath, ensures that the outstanding qualities of stainless steel, such as corrosion resistance and maintenance-free operation during the entire product life, are maintained.

Our company roots lie in the field of potable water. It has since developed into the comprehensive business it is today but we still feel committed to the quality of our drinking water.

We use our know-how of stainless steel processing to manufacture superior quality products that are applied to protect our drinking water nationally and internationally.



Versatility and Know-How for our Industrial Clients



Perfect Products for Intelligent Processes for the Benefit
of our Industrial Clients



System Solutions: from Expert to Expert

The diversity of our product line combined with the expertise of our qualified engineers provides the opportunity from single products to complete whole solutions for the processing requirements of our industrial clients from a single source with an option to tailor them to suit the specific requirements of different fields of industry.

Our customers can depend on our reliability, well proven experience and quality in engineering and design our qualified staff provide from planning until project completion. In cases where the selection of the most suitable technology is difficult, our own laboratory ensures that we offer our customer the optimal solution for his application.

The high quality of our products is demonstrated by the implementation of targeted solutions and reliable functionality of the entire installation.

We are able to combine perfect products into intelligent solutions and tailor them to suit the customers' needs and problems.

Our backup service is at your disposal to ensure trouble-free operation and installation of the application.



Discover New Dimensions: Our Production



HUBER Production: A Symbiosis of High-Tech and Experience that Redefines 'Highest Quality'

To be able to offer our customers superior quality, production is a focus of our activities and is backed by our highly skilled experts who put their expertise to work and take pride in the superior quality of our products. Modern production machinery and plants are at their disposal and, as a consequence, bring about accurate, repeatable and faultless production results. It is the combination of our expertly trained staff in conjunction with the latest computer-aided high-tech production machinery that enables us to offer high-quality products throughout the world.

Our production is backed by an experienced team of design specialists. In close interdisciplinary collaboration with our research & development, sales, design and service departments these design engineers lay the foundations for successfully launching new innovative products that are highly regarded among experts.

Among the guidelines of our engineering activities is the "Integrated Product Policy" which means that the optimum use of materials, efficient operation of products, economic use of resources, compliance with environmental requirements with regard to functionality and the results achieved is taken into account right from the outset. The use of stainless steel for all our products therefore contributes to completely recovering resources and to closing the recycling loops. We are living ecological awareness. We don't just talk about it, we act accordingly in everything we do.

Quality needs quality control. The entire area of our design and construction services as well as production is subject to sustained quality control evidence of which is shown by the relevant certificates that give proof of our excellence.

Quality combined with innovation achieves exceptional results. The economic efficiency, safety and reliability of our products are the basis for investment security and high customer satisfaction.

This approach has made us a worldwide renowned manufacturer of quality products and we are committed to this philosophy for the future.

Service – Around the Clock – Around the World



Global Presence for the Support of Our Customers –
Wherever They are in the World



Global Service Provides Security

We know that customer loyalty is not only built on superior product quality but also on our motivation to offer life-long product assistance for the benefit of our customers.

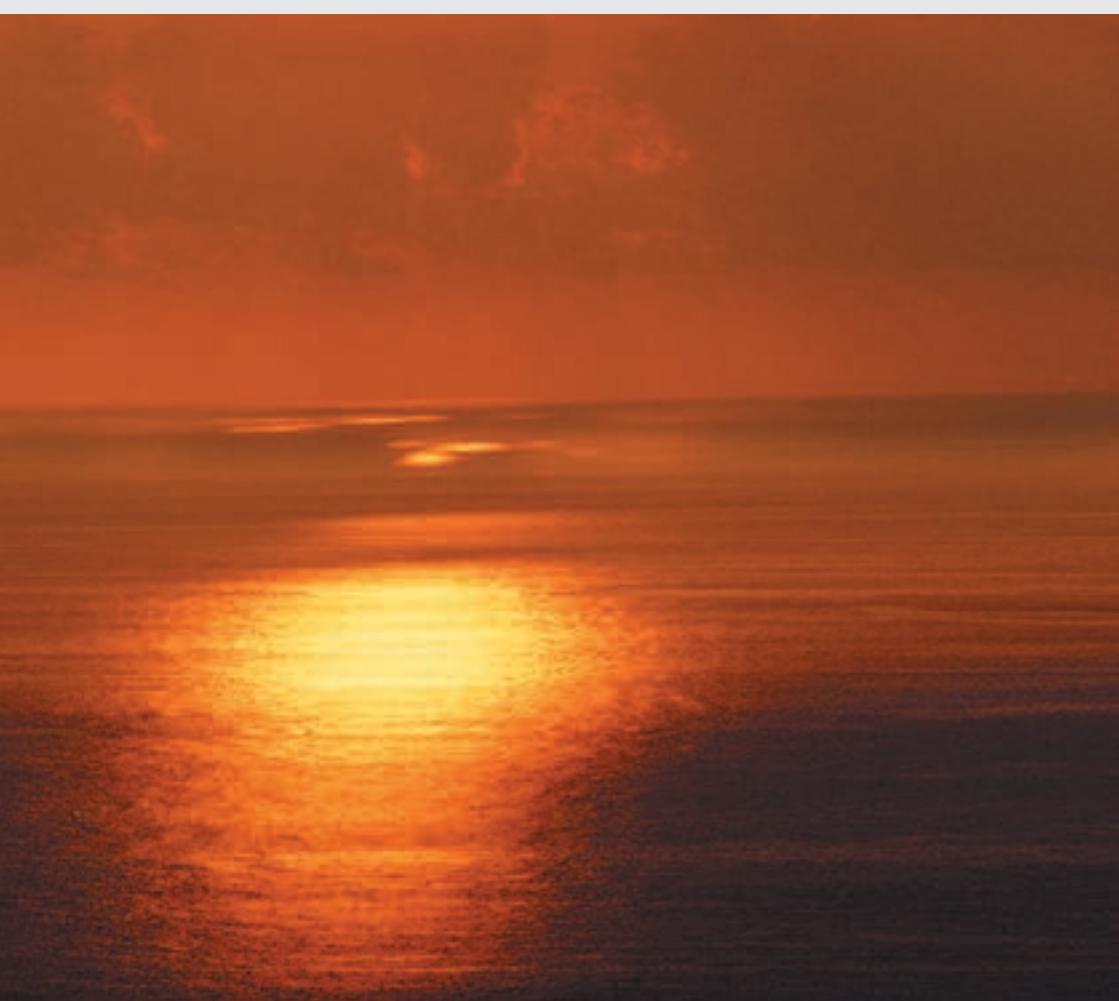
Our HUBER Global Service is at the disposal of our customers around the clock and around the world. This helps us to maintain the high quality level of both our products and performance that our customers expect.

Our most advanced HUBER Operation Control technology enables us to provide the optimal level of support for our customers in the operation and maintenance of our products.

We are not just content with manufacturing and supplying products alone but also feel responsible for operation, functionality and optimum performance of our machines – during their whole product life cycle.



HUBER – Global Presence



Water is Life – Everywhere in the World



HUBER – Worldwide

Water is a global issue. We are ready to meet its challenges and that is why we as a company have made this the main focus of all our efforts and are active throughout the world.

The experience and suggestions that we gather from all over the world have been integrated into the solutions we offer and adapt to suit our customers' specific requirements.

- We assist our clients during planning,
- We ensure delivery and assembly.
- We provide training of the operating staff.
- We offer product service.

We are there for our customers whenever and wherever they need us.



Our Clients' Success is Our Incentive and Our Obligation



HUBER Engineers are There to Give Optimum Assistance to Our Clients.



Our Clients are Our Partners

We provide solutions for a better environment which are built on the high quality of our products, solutions and services, seeking to deliver the results our clients are counting on.

Our orientation towards customer value provides the basis for confidence and the quality of collaboration that we focus on.

We wish to address water and wastewater problems at every level – today and in the future.

Together with you, our customer, we wish to elaborate concepts and solutions and plan and implement plants and provide support in product service and maintenance.

We consider you as our partner in solving your water problems and trust that you will appreciate this approach of sharing success. This is our incentive, day after day.



Headquartered in Berching and Active Throughout the World.



Administration Headquarters and Production Works
at HUBER SE, Berching



Our Visions are Built on Sustained Development. To Create Success for Our Customers is Our Goal and Provides the Foundation of Our Future.

Management Board of HUBER SE



Rainer Köhler

Georg Huber, CEO

Dr.-Ing. Oliver Rong, Vice CEO

Dr.-Ing. Johann Grienberger

