



HUBER

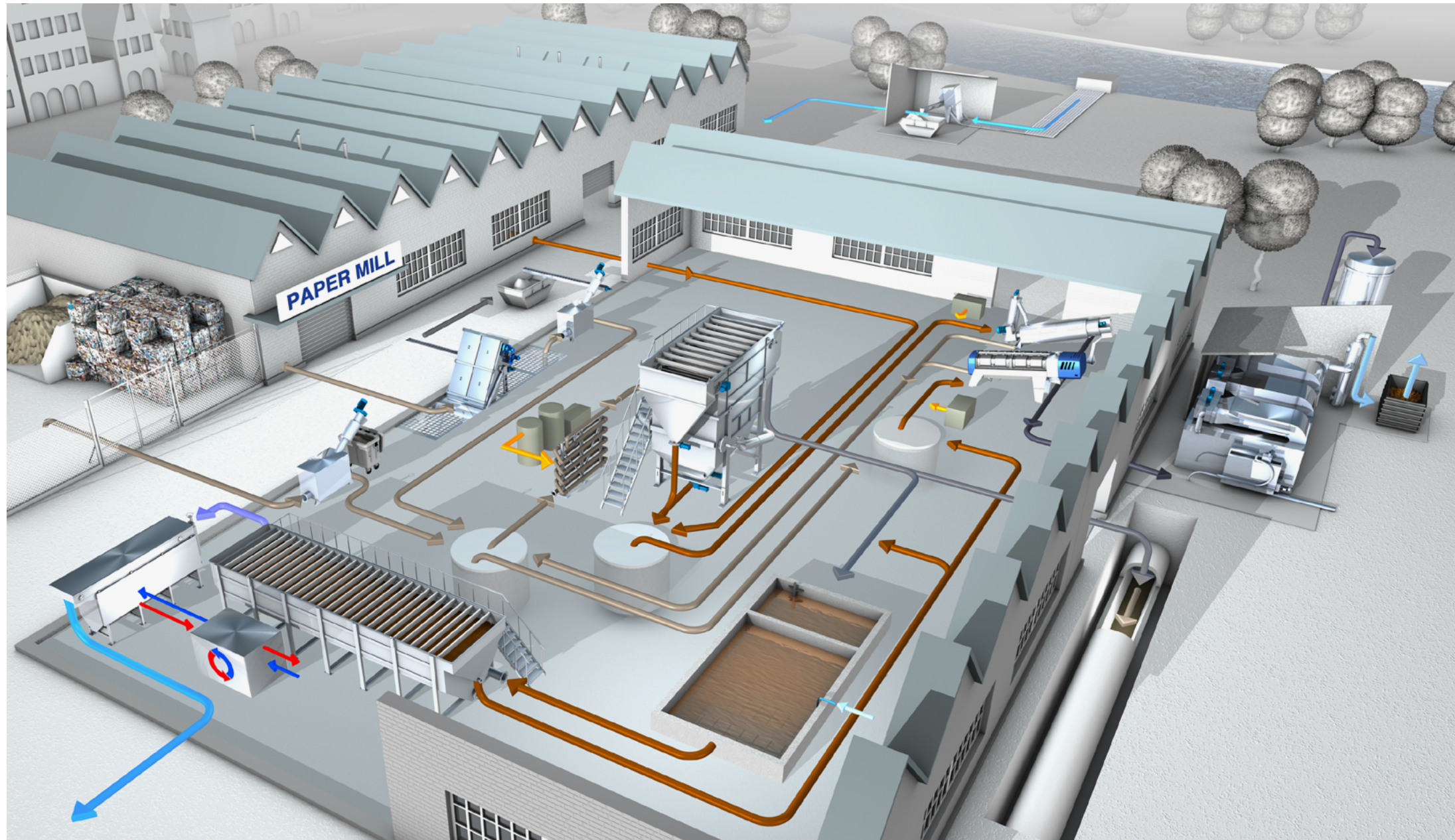
Solutions for the Paper Industry

Efficient machine technology and many years of experience

- ▶ Customised solutions based on best practice
- ▶ High-quality machines in stainless steel design
- ▶ Worldwide presence and local support
- ▶ Laboratory tests and pre-pilot testing

More information,
downloads and
current news





Machines and applications of HUBER mechanical engineering products in the wastewater process of the paper industry.

HUBER solutions for the paper industry

Wastewater from the paper industry is characterised most of all by a high content of various solids and process-specific variability. For this purpose, HUBER supplies tailor-made solutions to treat **process water** and **surface effluent** from operational warehouse facilities and for **fresh water withdrawal** from rivers and lakes based on standardised machine technology, adapted to the individual composition of each type of water and always oriented towards the required effluent quality and the project-specific requirements.

Large quantities of sludge are also generated in the paper industry in production and as part of processes. Taking into account the existing energy and material flows, HUBER offers project-specific treatment concepts for fibrous primary, biological secondary and chemical tertiary sludge from thickening to dewatering and sludge drying.

From our range of machines for mechanical pre-treatment, chemical-physical pre-treatment and systems for sludge treatment, we create customer-specific solutions. Prior laboratory or pilot tests provide a high degree of security for customers and operators.

As we manufacture almost all components ourselves in stainless steel, individual adaptations based on best practice can be made quickly and easily and the number of interfaces can be reduced to a minimum. Different requirements with regard to material quality (e.g. due to salinity) are met by selecting the appropriate material.

HUBER also provides solutions for the treatment of effluent from existing plants, e.g. to meet the increased requirements regarding phosphorus limits or new standards for effluent and discharge temperatures. Great importance is attached to the optimal integration of HUBER machinery into existing process chains.



HUBER Screw Press units for sludge treatment – best dewatering performance and highest volume reduction for lower disposal costs.



HUBER screening systems for best possible and project-specifically adapted mechanical treatment of wastewater and surface water – efficient, durable and well proven.



HUBER Dissolved Air Flotation for physical-chemical pre-treatment – optimum reduction of COD, fats and solids, more than 500 installations worldwide.

Machines and products

- ▶ Wastewater and surface screenings with screenings compaction
- ▶ Grit and heavy material separators
- ▶ Dissolved air flotation with and without chemical pre-treatment
- ▶ Sludge thickening, dewatering and drying
- ▶ Heat exchanger for energy recovery and waste-water cooling

References and installation examples



HUBER plant technology in container design – flotation or sludge dewatering units without construction work – ready for immediate use.



HUBER Dissolved Air Flotations Plants with chemical stage for secondary treatment – the solution to relieve overloaded biological treatment plants.



Preliminary tests in the laboratory or on site to determine operating parameters and effluent values – safety for customers and operators.



HUBER Belt Dryer BT for sludge drying – best drying results and maximum reduction of disposal costs.