



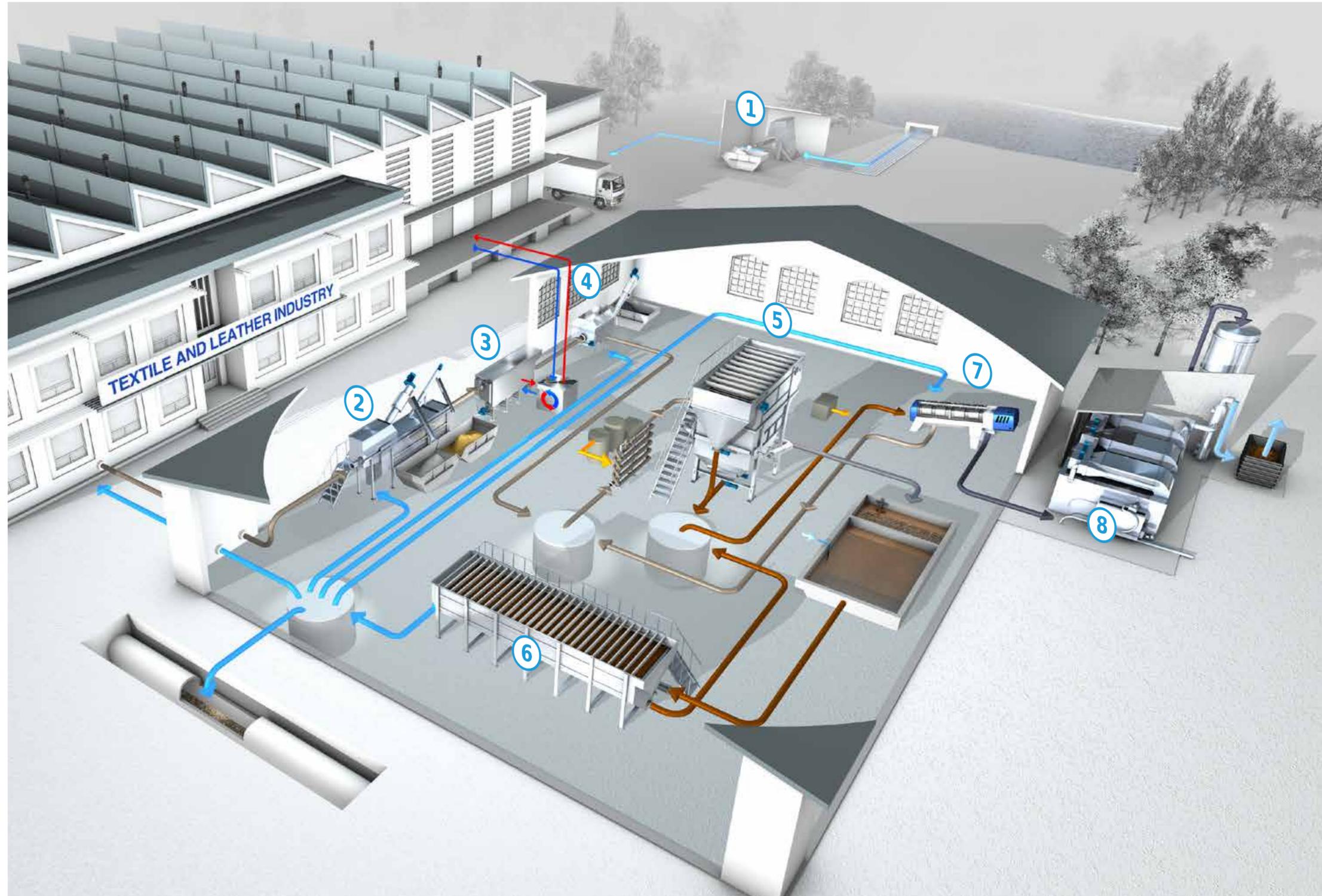
## HUBER Solutions for the Textile and Leather Industry

Project-specific individual and turnkey system solutions for

- ▶ process water treatment
- ▶ process sludge treatment
- ▶ energy recovery from process wastewater streams

More information,  
downloads and  
current news





## Water intake

HUBER offers a comprehensive portfolio of innovative systems for mechanical cleaning during water intake.

The systems are customised to the individual needs and the required water quality of each project.



## Mechanical pre-treatment

The HUBER Complete Plant ROTAMAT® Ro5 is designed to perform several process steps simultaneously:

- ▶ Fine screening of process wastewater with integrated screenings compaction and washing
- ▶ Selective separation, dewatering and washing of settling solids

The multifunctional Complete Plant is a completely encapsulated, odour-free system and can be installed above or below ground.



## Energy recovery

The modular HUBER Heat Exchanger RoWin is specially designed for the hot wash water flows that are subject to high levels of wear. Thanks to its integrated, fully automated self-cleaning system, the heat transfer surfaces are kept free and maximum energy transfer is continuously ensured. The recovered energy is available free of charge for reuse in the production process or for heating factory buildings. The wastewater heat exchanger can be installed either in the tank or in the channel.



## Micro screening

The HUBER Drum Screen RoMesh® with a mesh size of up to 80 µm reliably separates all sediment and suspended matter particles, such as textile fibres.

The integrated high-pressure cleaning nozzles (120 bar) ensures trouble-free operation. In addition, service water consumption is reduced to a minimum through internal wash water circulation. Furthermore, the HUBER Drum Screen RoMesh® is characterised by its enclosed and compact design.



## Sustainable internal water recycling

HUBER Dissolved Air Flotation HDF is the solution for advanced process wastewater treatment to reuse the recovered clear water for the production process.

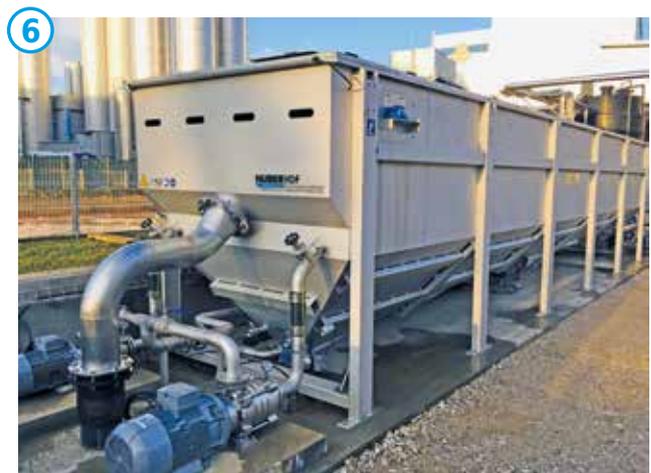
The innovative HUBER Chemicals Dosing DIGIT-DOSE system reduces precipitant consumption – and thus operating costs for the flotation plant and disposal costs for the flotation sludge – to a minimum.



## Separation of process and activated sludge

In addition to the compact HUBER Dissolved Air Flotation HDF (No. 5), a slimmer HUBER Dissolved Air Flotation HDF S (No. 6) is available for defined separation of highly contaminated wastewater and sludge. The letter “S” stands for sludge.

The HDF S flotation plant thus relieves or replaces space-intensive secondary clarifiers. The HUBER Chemicals Dosing DIGIT-DOSE system reduces investment, operating and disposal costs to a minimum.



## Process sludge dewatering

The HUBER Screw Press Q-PRESS® dewateres the flotatate sludge fully automatically and continuously, reducing disposal costs to a minimum.

The energy-efficient screw drive with low speed (< 1 rpm) allows almost wear-free operation with optimum dewatering performance. The user-friendly and easy-to-maintain machine is compact and space-saving as well as vibration-free and virtually noiseless in operation.

An innovative control system enables unattended operation even with fluctuating sludge properties.



## Process sludge desiccation

HUBER offers both solar and thermal desiccation methods to reduce disposal costs to a minimum or even enable economical use.

The systems are customised to the individual needs and the required dry residue.



# Benefits of HUBER solutions for the textile and leather industry

## Global...

- ▶ With more than 20 subsidiaries and numerous distribution partners, HUBER is active in more than 60 countries worldwide
- ▶ HUBER Global Service 24/7
- ▶ 5 production sites worldwide
- ▶ Highest stainless steel quality, acid-treated in a pickling bath

## and yet project-specific...

- ▶ Comprehensive product portfolio as a basis for project-specific individual as well as turnkey system solutions

- ▶ Intelligent and fully automated treatment processes for minimising operating and disposal costs (HUBER Chemical Dosing DIGIT-DOSE)
- ▶ Maximum flexibility due to the possibility of mobile container or frame construction
- ▶ Process reliability thanks to:
  - ▶ Analyses at HUBER laboratory
  - ▶ Pilot plants for on-site analysis (suitable for transport on Euro pallet)
  - ▶ Large-scale technical tests with containerised demonstration systems

**Please do not hesitate to contact us and we will find solutions!**



*Turnkey system solution for process wastewater and sludge treatment in textile companies.*



*HUBER Screw Press Q-PRESS® for process sludge dewatering in tanneries.*



*HUBER Pressure Relief Flotation HDF for process wastewater treatment in leather factories.*



*Process wastewater screening for textile fibre separation.*

## HUBER SE

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