

Edition  
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**Dear Reader**

At sewage plants, wastewater is usually treated in three stages: mechanically, biologically and chemically. For reliable separation of persistent and hazardous micropollutants such as pharmaceutical residues, hormones or flame retardants, a further step is needed, the so-called fourth treatment stage.



The EU Commission demands the 4th treatment stage for the removal of micropollutants for all wastewater treatment plants with a population equivalent of 100,000 or more by 2035, and also for wastewater treatment plants with a capacity of 10,000 population equivalents by 2040, if the concentration of micropollutants poses a risk to the environment or human health.

Many municipalities, operators and wastewater associations are therefore already asking themselves how this additional treatment stage can be optimally integrated or retrofitted, taking into account their individual requirements and boundary conditions on site.

Read in this issue of the HUBER Newsletter how those responsible in [Bickenbach \(Hesse\)](#) and [Uhldingen \(Baden-Württemberg\)](#) have answered this question for themselves and will take on an important pioneering role with the large-scale implementation.



Georg Huber

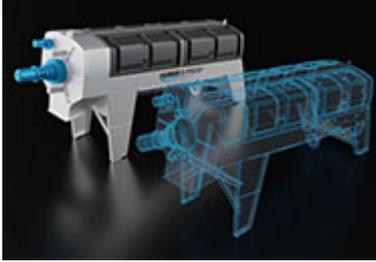
**PRODUCTS AND SOLUTIONS**



**Two HUBER lighthouse projects of the fourth treatment stage: construction of the micropollutant removal plants in Bickenbach and Uhldingen is progressing rapidly**

How can a fourth treatment stage be optimally integrated or retrofitted, taking into account individual requirements? The wastewater treatment plants in Bickenbach (Hesse) and Uhldingen (Baden-Württemberg) are taking a pioneering role with the start of large-scale implementation.

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### Multidimensional mirror of reality: HUBER and digital twins for more customer benefit

HUBER is working on digital twins to further develop products and make them work for customers: by operating machines even more efficiently, optimizing the use of personnel and resources – and, last but not least, for saving money.

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### Augmented reality and remote support: HUBER Global Service now even more flexible at its customers' side

HUBER continues on the path of digitalization and now also offers its customers virtual support: With the help of augmented reality, data glasses and the new “Remote Support Center”, HUBER will be even more flexible in serving its customers worldwide.

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## GENERAL HUBER NEWS



### World Water Day 2023: Accelerating Change

Every year on March 22, the United Nations celebrates World Water Day and draws attention to the global importance of water. For HUBER, this day has always been of special significance. And so the company dedicates a newly produced video to water.

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### A freight train full of energy

In his editorial, Prof. Dr. Franz Bischof, Professor of Water, Air and Soil Pollution Control Processes, writes about energy and sustainability. In addition to energy consumption in Germany and the links between (waste)water and energy, he addresses future challenges and solutions.

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