



ENVIRONMENTAL TECHNOLOGY PROCESS WATER SUPPLY, WASTE WATER TREATMENT AND WATER RECYCLING FOR THE INDUSTRY

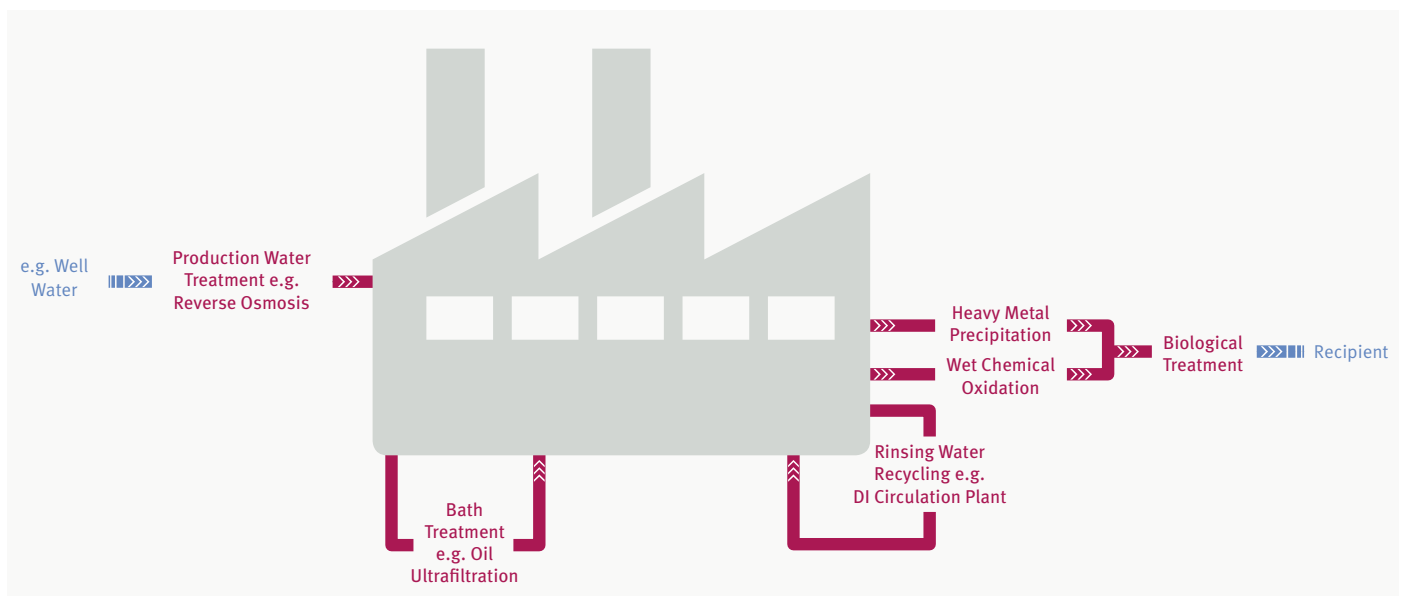
Background

Following our idea: “The more complex the water characteristics, the better our solution” we design tailored systems providing process water of any desired quality, treating waste water streams down to the desired discharge limits or recycling waste streams up to zero liquid discharge. Our know-how is based on more than 1,000 references for water treatment. In many cases we assure the design carrying out tests both in laboratory and pilot scale at our R&D center in Germany.

Process water supply

In order to achieve a high performance, EISENMANN is selecting depending on raw water analysis and local circumstances the fitting combination out of the following processes:

- Coagulation and precipitation
- Filtration (Sandfiltration, activated carbon filtration, ultra- or nanofiltration)
- Reverse osmosis
- Ion exchange (Softening, decarbonisation, deionization)



EISENMANN water technologies implemented into a production process.



ENVIRONMENTAL TECHNOLOGY

PROCESS WATER SUPPLY, WASTE WATER TREATMENT AND WATER RECYCLING FOR THE INDUSTRY

Waste water treatment

For the efficient treatment of the waste water EISENMANN offers depending on the waste water characteristics, chemical-physical and biological treatment systems.

- Chemical-physical processes (neutralization, coagulation/precipitation, sedimentation, filtration with post treatment) for the removal of heavy metals, fluoride, chromate, arsenate, nitrate and sulfides
- Biological processes (aerobic and anaerobic) for the removal of dissolved organic compounds out of waste water
- Oxidation processes: For the removal of toxic organic compounds, phosphonates, or cyanides, EISENMANN is applying its propriate Fentox process

Water recycling and zero liquid discharge

Depending on the customer needs, EISENMANN has the right technologies to recover low polluted rinse water streams, but also to design and built complete zero liquid discharge systems.

- Ultrafiltration and selective ion exchange to extend the life time of active bathes
- Ion exchange systems for rinse water recycling
- Evaporation system to minimize liquid discharge in combination with systems for full zero liquid discharge

Our customers are coming from

- Chemical process industry
- Petrochemical industry
- Metal industry
- Food and beverage industry

Our customers are impressed by our approach tailoring the complete system to the specific customer needs. Consequently, the system shows low chemical costs, low energy costs and long life time.



Rinse water recycling by ion exchange, capacity 25 m³/h.

EISENMANN

Environmental Technology

Eisenmann Environmental Technology GmbH | Max-Eyth-Straße 42 | 71088 Holzgerlingen | Germany
Phone: +49 7031 44809-0 | office@eisenmann-environmental.com | www.eisenmann-environmental.com

2026 © Eisenmann Environmental Technology GmbH

All rights reserved. All text, images, photos and graphics are subject to copyright and other intellectual property laws. Content may only be used with the express permission of Eisenmann Environmental Technology GmbH. All content, including, without limitation, specifications, descriptions and illustrations, are subject to error and change, in particular with regard to ongoing development of our products in line with technological progress. Changes to content will not be proactively communicated. Technical specifications may vary from country to country.