

Technology for Water



ENVIROCHEMIE

Comprehensive Solutions for Industrial Water Management

ABOUT US

Who we are

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We are an internationally operating plant engineering company and service provider for industrial water treatment and wastewater management. As the parent company of the EnviroWater Group, we develop sustainable solutions for the responsible use of water.

At EnviroChemie, every employee contributes to the company's success with their individual strengths – together, we complement each other perfectly.

We are united by a common goal: to deliver the best and most sustainable solutions for industrial water and wastewater management.

A culture of mutual respect and an inspiring working environment foster new ideas, enabling EnviroChemie and its employees to grow and develop together. A key foundation for our long-term success in the market is our employees' passion for water, combined with the decades of experience of our experts and the effective development of our young talent.

Built on this strong foundation, we support our customers in achieving long-term economic and sustainable water management.

**Over
50**
years of experience

30,000
service customers

€350
million
in revenue



1,600
employees



More than 8,5 million
hours of engineering experience

ABOUT US

Our values

Our values

Our values guide our actions, our behavior and our decisions.

Sustainability

We deliver sustainable and efficient solutions, systems and services that help tackle the challenges of water and wastewater treatment while protecting and preserving the environment and water resources for future generations.

Integrity

The highest ethical standards guide all our actions. Responsibility for our commitments is fully embraced, and others are encouraged to do the same. Transparency, trust, fairness and honesty are at the core of how we operate.

Collaboration

At our best when egos are set aside, collaboration is driven by empathy and trust to achieve outstanding results together.

Curiosity

Driven by openness to innovative and unconventional ideas, new ways of thinking are embraced in line with our mission.

Warmth

What makes us human is valued and embraced. A respectful, open and inclusive approach creates a positive environment where collaboration is both effective and enjoyable.

Ongoing development defines us – both as a company and as individuals. This lays the foundation for ensuring that we meet our customers' needs.



ABOUT US

Locations

EnviroChemie provides sustainable system solutions and services worldwide for industrial water treatment, water reuse, and the treatment of process water and waste water.



ABOUT US

Our scope

Comprehensive Lifecycle Services for Water and Wastewater Treatment

We take a detailed approach to understanding our customers' needs in order to develop the most sustainable and cost-effective solutions across the full water treatment lifecycle.



ABOUT US

Services from consultancy to plant maintenance

EnviroChemie not only builds plants, we support you right from the start, every step of the way. Whether you want to discuss with us which products you require or you need assistance with the detailed planning or you want us to handle plant maintenance, we are happy to work with you to create a customized service package for you.



We start the joint planning with you from scratch.



Consultancy

Do you need a specific water quality for your production, want to save water, raw materials and energy or have to clean wastewater to predetermined limit values? Then ask our experts for advice. We can discuss the steps required to implement plant technology that is tailored to your needs, either on site or at our headquarters.

The required parameters are developed by us in our process engineering laboratory. We can also advise you if you want to modernize existing plants, or if you want to save on operating costs.

Planning

We do not outsource the planning stage when constructing our plants, instead, in collaboration with you, we draw up the plans ourselves. We have our own in-house process technology to handle this, as well as proprietary electronic planning and process software. Everything comes from a single source which helps us to reduce the number of interfaces.

At the planning stage, when deciding which technological process to use and the main components of the plant technology, we consider characteristics, results of laboratory and pilot tests, structural prerequisites and any other requirements you may have. After this, the necessary construction measures are then defined.

Plant engineering

Whether you require a plant for water treatment, water recycling or wastewater treatment to be built from scratch, expanded or upgraded, we can build plant technology that precisely meets your needs. Our construction sites are managed entirely by our own staff.

We create the electrical planning in our electrical engineering department, programme the system controls and assemble the control cabinets. Engineering work and manufacture – it is all part of an integrated production service that is unique across Europe. The benefit for you: Deadline security.

Customer services

Maintenance, service and repairs: Our customer service team is at your disposal for all questions relating to your plant. We ensure operations run smoothly, for example, by connecting your plants to our remote maintenance system.

At EnviroChemie, we have always set high standards for the quality and durability of our plants. We have our own team of technicians to ensure that your plants run smoothly and are expertly maintained.

Products and services for water treatment

Our application technicians and engineers determine the ideal operating materials and dosage required for your water treatment plants. Alternatively, we can adapt the existing plant technology on site to new requirements, for example when there are production changes or expansion. In this way, you can safely achieve the required water quality.

With over 800 water treatment products, we offer the right solution for almost any application. Analyses carried out in our in-house laboratory and the expertise of our experienced specialists enable us to provide bespoke product recommendations for efficient and cost-effective water treatment.

ABOUT US

Comprehensive solutions for various industries

Our services across the entire lifecycle of water and wastewater treatment —

ranging from bespoke and standardized plant solutions to technical operations management and comprehensive services.



Our industry experts adopt a holistic approach to processes and draw on extensive experience across a broad range of industries.



Food · Beverages ·
Catering



Transport ·
Traffic · Automotive



Chemical industry ·
Oil · Gas



Steel · Metal ·
Surface technology



Life sciences ·
Pharma



Packaging ·
Cardboard boxes



Textiles · Industrial
laundry



Mining ·
Ore processing



Optical industry ·
Glass



Green hydrogen ·
Energy



Cosmetics ·
Cleaning agents



Circular economy ·
Disposal

THE RIGHT WATER TECHNOLOGY

For every manufacturing process



An EnviModul plant means you do not have to construct a building yourself.

PRODUCTS modular or fully customized

The right solution every time. Our broad product range sets us apart. We focus on finding a suitable application that perfectly fits your needs. You can either see the simplicity of the EnviModul for yourself or order a solution from us which is fully customized to your individual requirements.

There are countless different types of industrial wastewater. In addition, the legal requirements for cleaned water differ significantly from country to country and sector to sector. As a result, the person responsible for wastewater treatment in a company always requires a tailored solution. And above all else, this solution must be efficient.

ENVIMODUL – OUR MODULAR SYSTEM

Simple, efficient and flexible



EnviModul, the modular plant system for treating wastewater from food manufacture, can easily be adapted to changing production requirements.

The EnviModul

It could not be simpler: Our modern technologies for the treatment of wastewater are encapsulated into modules, which can be combined to match customer requirements. The fully prefabricated, ready-to-go EnviModules then only need to be connected on site. You benefit from lower costs, increased flexibility and faster implementation. In addition, the EnviModul has been successfully tried and tested over many years.

Compared with traditional, centralized plant solutions, modular, decentralized plant solutions offer clear benefits. Our engineers have therefore developed a modular system as part of a product development. Here an EnviModul component replaces operational buildings constructed from steel and concrete, is semi-mobile, adaptable to different climatic conditions, durable and visually attractive.

Better still, we can transport these decentralized water treatment, water recycling and wastewater treatment modules for you to any location worldwide. Planning permissions, transport permits and transportation of the plant can be quickly turned around, because everything can be processed simultaneously and as a package.

Planning time	Short
Commissioning and testing	Pre-tested in factory
Expansion	Simple, based on modular design
Level of complexity	Low
Permissions	Planning permission very easy
Processes	Numerous processes possible
Space requirement	Standardized (module size)
Location	External, requires flat surface
Depreciation period	Short

CUSTOMIZED PLANTS

Tailor-made, precise fit



Evaporate condensate treatment at a dairy

Custom-manufactured plants

If you require a plant to be precisely integrated into your production hall or to carry out several processes simultaneously, then we can help you right from the outset: starting from scratch, we can assist with planning and configuring. Our engineers and technicians will create the right process for your individual needs.

We will undertake the planning, whether for water treatment, circulation or wastewater treatment. If required, we also assist you with the approval planning of the water management plants, where we also ensure precise adaptation to all external conditions.

Perhaps you require a plant for which there is only a specific space available. Or the plant has to be linked with your company via 500 different interfaces.

We can even develop the electrical planning and programme the plant control. We relish undertaking complex engineering work like this and attend diligently to every last detail.

Planning time	Depending on complexity
Commissioning and testing	On site
Expansion	Depending on the specific conditions and site-specific circumstances
Level of complexity	High
Permissions	Planning permission complex
Processes	Fully customised to your needs
Space requirement	According to individual requirements
Location	Integrated into production
Depreciation period	Depending on complexity, long

TECHNOLOGIES & PROCESSES

our technologies for water treatment



Physico-chemical processes /
Envochem®

Envochem® delivers high-performance physico-chemical solutions for efficient water and wastewater treatment. Our portfolio combines proven processes such as precipitation, flocculation, filtration, and ion exchange with advanced technologies like AOPs, DAF (Flomar®), and electroflotation—ensuring reliable removal of solids, pollutants, and dissolved substances.

- precipitation, flocculation, sedimentation neutralisation
- filtration, adsorption
- ion exchange
- advanced oxidation processes (AOPs)
- dissolved air flotation (DAF) / Flomar®
- electroflotation



Biological Treatment
Processes / Biomar®

Biomar® delivers advanced biological solutions for efficient water and wastewater treatment. Our portfolio includes aerobic and anaerobic activated sludge processes, nitrification and denitrification for nutrient removal, as well as biofilm systems such as MBBR and membrane bioreactors (MBR)—ensuring reliable degradation of organic pollutants and high treatment performance.

IN-HOUSE DEVELOPMENT & TECHNOLOGIES

Our processes are based on over 50 years of experience

Every production facility has highly individual requirements.

We develop concepts for water treatment which allow water and resources to be recycled, energy to be generated from wastewater, heat to be recovered or all wastewater to be recycled (zero liquid discharge). We have the right solution for you.



Membrane separation processes / Envopur®

- aerobic activated sludge processes
- nitrification/denitrification
- biofilm processes (MBBR – moving bed biofilm reactor)
- membrane bioreactor (MBR)
- anaerobic activated sludge processes (digesters)
- anaerobic granular sludge processes (EGSB)

Envopur® provides advanced membrane technologies for high-purity water treatment and reliable separation performance. Our portfolio includes microfiltration, ultrafiltration, nanofiltration, and reverse osmosis (RO), complemented by electrodeionization (EDI) for the removal of dissolved salts and impurities—ensuring consistent water quality at the highest standards.

- microfiltration
- ultrafiltration
- nanofiltration
- reverse osmosis (RO)
- electrodeionization (EDI)



INDUSTRIAL WATER

for every requirement

How do you want to use your water? As process water, feed water, fresh water – or does it require a specific purity level as wastewater? Whatever you require your water to do, we have a suitable solution.



Process water

We develop, build and install treatment plants for process water, which are tailored to each specific task, economical and environmentally friendly. Surface water, brackish water, rainwater, drinking water, seawater, rinsing water, but also treated wastewater can serve as untreated water.

Recycled water

Treated water can either be fed back into the process, or reused for other purposes. Water recycling plants lead to a significant reduction in operational costs for production and preserve resources. In addition, several of our processes allow important resources to be recycled from industrial wastewater, which can then be reused.

Wastewater

Wastewater from industrial production is generally contaminated with various substances and as a result, effective wastewater treatment is needed in order to achieve the limit values required. At the same time, plants should be energy-efficient and preserve resources. Better still, in many cases, operating costs can be reduced significantly through the use of sophisticated heat recovery concepts, or through the production of biogas.



SHAPING THE FUTURE

Sustainability

„INNOVATIONS GIVE THE FUTURE A FUTURE“

Prof. Dr. Hans-Jürgen Quadbeck-Seeger, German chemist

A well-founded water management strategy is essential for the sustainable and efficient use of water. We take a holistic view of the potential water sources and consumers at your facility and develop a water management strategy for you that optimizes resources and reduces costs.

Water-intensive processes and relevant water flows are identified, analyzed and optimized by taking into account your targets as well as the intended purposes.

SHAPING A GREEN FUTURE

PFAS



PFAS removal for a cleaner future

Recycling conserves valuable resources – but it also creates new challenges.

Persistent substances such as PFAS can be released from plastics, electronics and coated materials into industrial wastewater, where conventional treatment methods are often no longer sufficient.

EnviroChemie supports recycling companies with advanced water treatment concepts that reliably remove PFAS while protecting valuable water resources. Our tailored solutions combine decades of process expertise with innovative treatment technologies to help customers meet environmental regulations and move towards a more sustainable circular economy.

An aerial photograph showing a dark, winding river flowing through a dense, vibrant green forest. The river curves around a large, forested island. The surrounding landscape is a mix of green fields and patches of trees.

SHAPING THE FUTURE

Carbon capture

CARBON CAPTURE

closing the water loop

Carbon capture processes generate wastewater containing organic compounds, nitrogen compounds, and salts. Reliable treatment is essential to maintain safe plant operation, recover valuable resources, and ensure compliance with environmental regulations.

EnviroChemie develops tailored treatment solutions for wastewater generated by carbon capture processes. By combining physico-chemical, biological, and membrane-based technologies, contaminants are reliably removed, valuable process chemicals are recovered, and water is prepared for reuse. The result is sustainable, efficient, and future-ready wastewater management for carbon capture facilities.

SHAPING A GREEN FUTURE

Evaporator condensate treatment for sewage sludge drying

EVAPORATOR CONDENSATE

mastering complex sidestreams

Thermal sewage sludge drying produces highly contaminated evaporator condensate containing ammonium and organic compounds. Without dedicated treatment, these sidestreams can overload wastewater treatment plants and make compliance with discharge limits significantly more challenging.

EnviroChemie develops tailored sidestream treatment solutions that reliably reduce nitrogen and organic loads. Our technologies stabilize plant operation, enable environmentally compliant discharge and reduce the burden on downstream wastewater treatment systems – supporting more sustainable and resource-efficient sludge management.



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