



There is hardly an area where high-quality water is not used in some form or another, such as drinking and process water including boiler feed water or for cooling applications.

Foto: www.fotolia.de

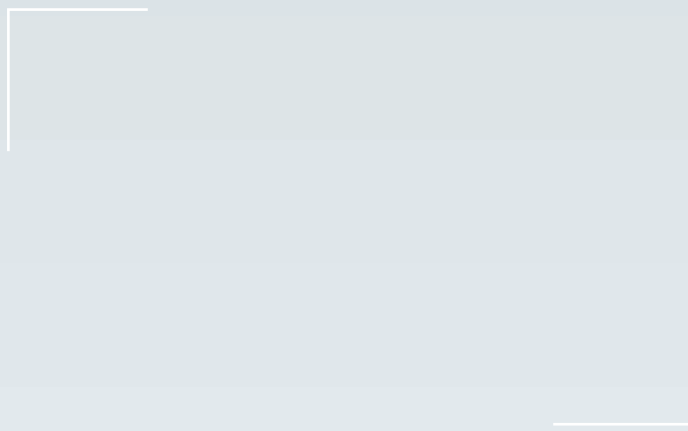
We think in solutions

A3 Water Solutions GmbH, an international manufacturing and consulting company in Gelsenkirchen, Germany, offers solutions to customers for water and wastewater treatment processes. A3 supports clients from the private, public and governmental sector to overcome environmental challenges.

Our success is based on an interdisciplinary team applying our comprehensive service program using state-of-the-art technology. Continuous commitment to innovation is an essential element of our corporate culture.

A3 Water Solutions GmbH offers customized plant design and operational procedures for individual clients to meet environmental regulations and deliver the best possible economics. We have accumulated extensive experience over the years through the design of many plant concepts. We are actively involved in national and international research projects to remain abreast of state-of-the-art technologies.

Your contact:



Innovative Technology for the Environment We think in solutions

How to find us:



Directions

Exit highway A42 at "Gelsenkirchen - Zentrum". Take the first right onto Grothusstraße. Pass Shell gas station on your right. At the second traffic light (near the Aral gas station), turn left onto Gewerkenstraße, which later changes to Magdeburger Straße. After approx. 400 m, A3 Water Solutions GmbH will be on your left.



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Our services include process design, plant piloting and manufacturing, operation & maintenance support and after-sales services. By combining our innovative process concepts and experience, we offer highly innovative and cost effective solutions.



Scope of Supply and Services

Compact Wastewater Treatment Facilities

Solutions for treating and recycling wastewater from a variety of sources are increasingly in demand. The innovative and successfully proven membrane bioreactor system (MBR) featuring patented MaxFlow membrane modules is based on a combination of modern membrane filtration technology and the conventional activated sludge process; it is characterized by maximum performance.

MaxFlow Membrane Modules

A3 Water Solutions GmbH manufactures membrane filtration modules for water and wastewater treatment, and solid/liquid separation processes. We offer our customers a complete service spectrum ranging from the supply of individual membrane modules only, to the design and delivery of complete operating plant components.

Treatment of Fermentation Residues

The market for renewable energies is characterized by the concept of power generation from renewable raw materials in biogas plants. Due to the construction of large central facilities, the disposal of the liquid fermentation residues in the vicinity of the plant is a growing concern.

A3 Water Solutions GmbH has developed a modular concept for the treatment of fermentation residues. The effluent is of such high quality that it can be readily disposed or even re-used. The concentrates are re-usable or can be marketed as a nutrient-rich fertilizer.



Water Treatment

A3 Water Solutions GmbH offers the implementation of highly efficient membrane processes ranging from microfiltration to reverse osmosis processes. Classic processes for water conditioning and recycling, such as filtration, activated carbon and ion exchange processes, are also part of our range of services.

Do you have any questions? Please contact us!

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Summary of A3's Business Activities

- Production of membrane modules for filtering water and wastewater by applying the membrane bioreactor process (immersed ultrafiltration plate modules)
- Compact membrane activated sludge plants of containerized design for municipal and industrial applications
- Treatment plants for liquid manure and fermentation substrates
- Ultrafiltration and reverse osmosis facilities for treating and recycling process and service waters
- Precipitation facilities for nitrogen and phosphate removal
- Feasibility studies and conducting water/wastewater research projects
- Leasing and contracting options
- Design and manufacture of customer-specific wastewater treatment facilities
- Remote monitoring and servicing of water and wastewater treatment plants
- Operation management and reporting for identifying cost savings potential
- Optimization of existing plants to increase treatment capacity and effluent quality
- Optimisation, operation and service of membranebioreactors and digestate treatment plants

We develop customized solutions together with you!

