cerafiltec®

2026

WATER FILTRATION **REDEFINED**

Welcome to **the Ceramic Era**

WELCOME TO

THE CERAMIC ERA

Cerafiltec technology is built for the future. Trusted to perform. Designed to endure.

Solving your water and wastewater challenges

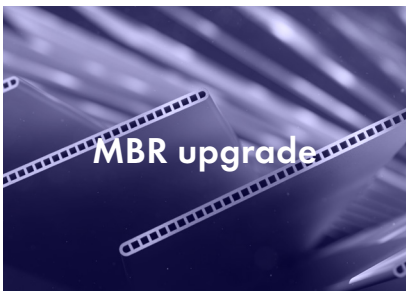
We are your partner to deliver trusted, robust, and long-lasting ceramic membrane filtration solutions

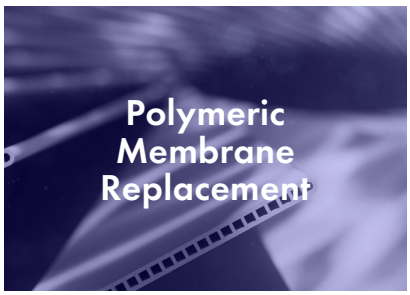
As a Germany-based technology leader, we work with system integrators and end customers to provide reliable, high-performance filtration that solves tough water challenges.

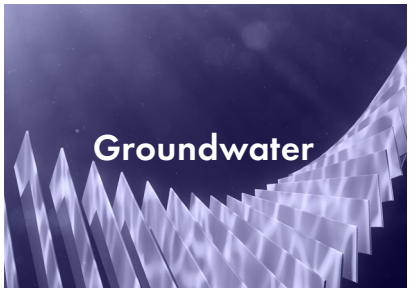
Built to Last. Engineered for Excellence.

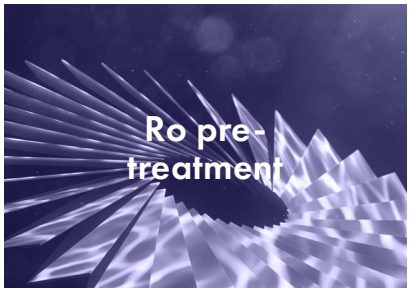
- Leaders in filtration and experts in process design
- Technology designed to outlast and outperform traditional sand filters and polymeric membranes
- Driving the transition to advanced ceramic membranes for sustainable, cost-effective water treatment

Applications





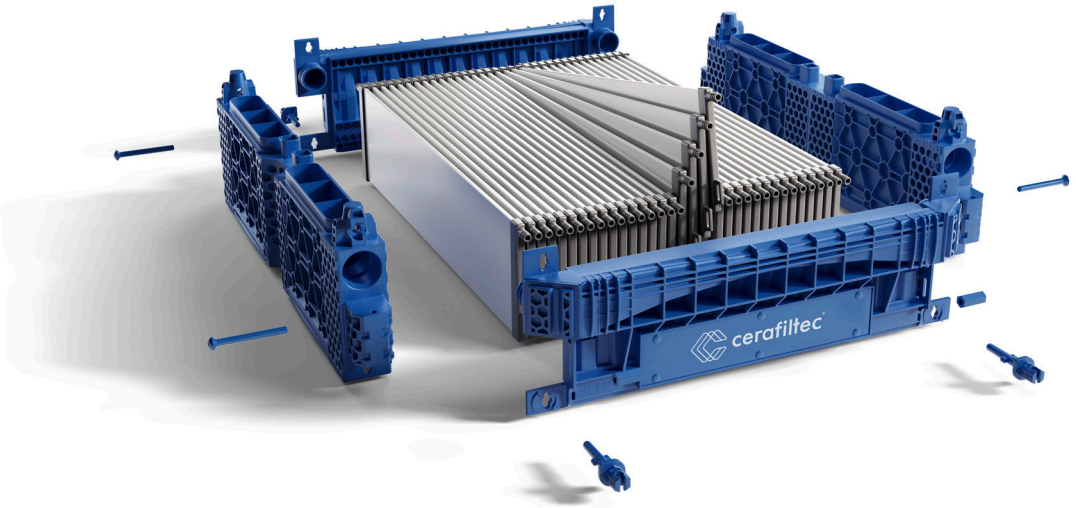




Modular Product Design

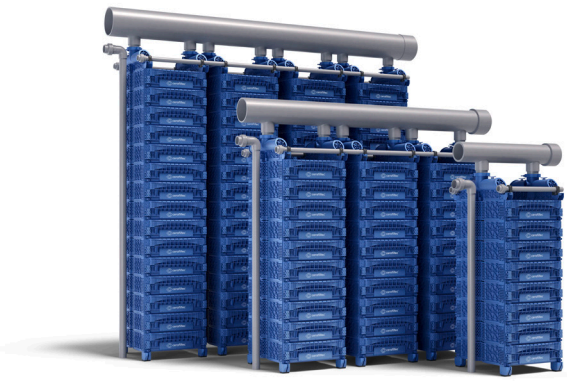
A modular ceramic array featuring exchangeable plates and internal filtered water piping for simplified, tool-free maintenance.

① The coating on the outside of the ceramic (pore sizes 0.05 - 0.5 microns) and double side filtered water outlet for high flux rates.



② Multi-ceramic plate configuration with exchangeable single ceramic plates and internal filtered water piping.

③ Fully made of glass fiber reinforced resin without any steel parts.



④ The most compact and flexible installation due to the frameless design concept.

Turning Challenges into Results

Replacing Failing Polymeric Membranes

A seamless transition from submerged polymeric to ceramic membranes – using existing infrastructure. Suitable for MBR, drinking water, and tertiary treatment applications.

Increasing sand filter capacity

Expand sand filter capacity within the same footprint through a ceramic membrane retrofit – enabling greater output without expanding the plant.

Improving Filtrate Quality

A durable ceramic membrane barrier ensures consistent filtrate quality – independent of fluctuations in feed water conditions.

Minimizing Downtime During Peak Events

Maintains steady operation during algae blooms, high TSS, rainfall events, and organic load surges.

Handling Challenging Feed Waters

(Oily streams, elevated temperatures, high Fe & Mn) Designed to operate reliably across a wide range of feed water conditions, with minimal cleaning constraints and stable long-term performance.

Reducing Operational Costs

Long membrane lifetime, reduced maintenance, and lower chemical consumption contribute to stable operating costs and sustained plant efficiency.

Up to 5x longer lifetime

40-50% less energy consumption

70% less installation space

20-50% Lower CO_2 footprint

Engineering Service

Projection

The right process design and project cost understanding. A detailed calculation package for filtration proceses and pre-treatment requirements, power and chemical consumption, equipment list and more.

Plant Layout Design

For the most efficient construction and future operation. We provide civil works structure, filtration tank design, piping and instrumentation design, P&IDs and process philosophy Installation and Commissioning.

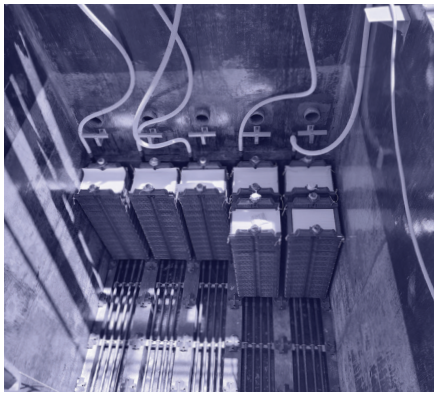
Assembly, installation, process start-up & more

Cerafiltec's installation team will be at your site to supervise your team for fast and smooth plant commissioning and operation.

Faster Ceramic Plant Design

Cerapro is Cerafiltec's UF projection tool for quickly designing ceramic membrane plants. Enter key parameters to instantly generate projections with operational data, tank layouts, and consumables. Its intuitive interface and built-in 2D and 3D drawings speed up decisions while reducing planning time and costs.

Superior Filtration



Certificates

NSF
Certified to NSF/ANSI 61

NSF
Certified to NSF/ANSI 419

ISO 14001:2015 certified by visocert

ISO 9001:2015 certified by visocert

cerafiltec®

Your vision.
Our technology.

Let's build your next-generation system
contact@cerafiltec.com

Homepage

LinkedIn