

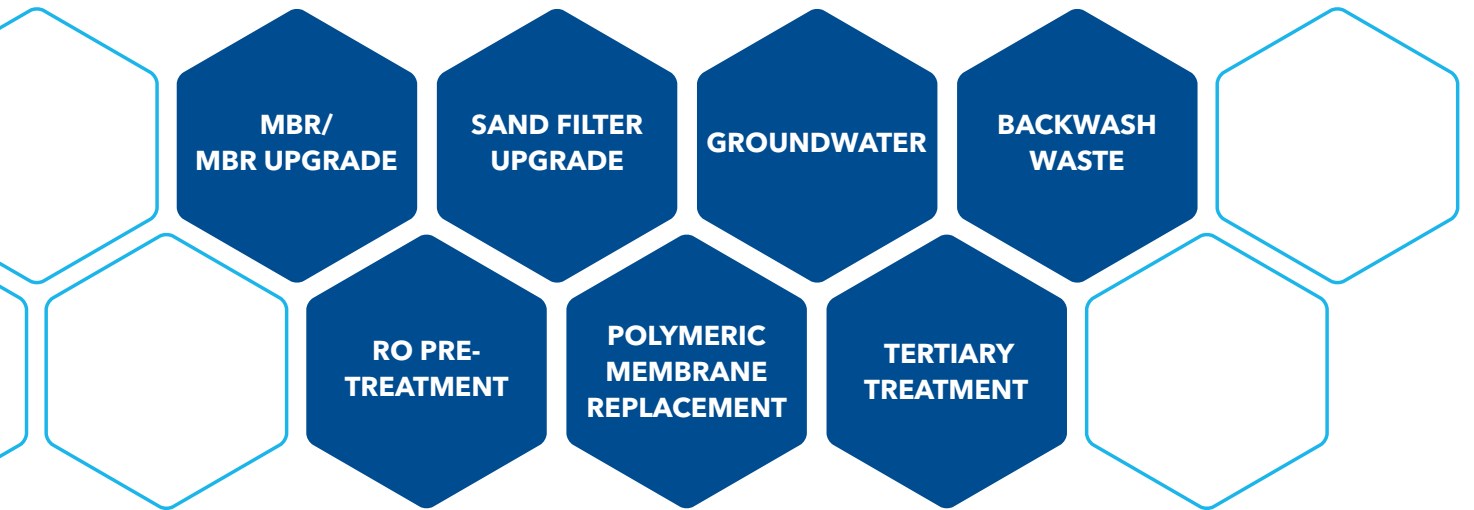


# THE FUTURE OF FILTRATION IS HERE

**CERAFILTEC®**  
CLEAN WATER. EVERYWHERE.



# APPLICATIONS



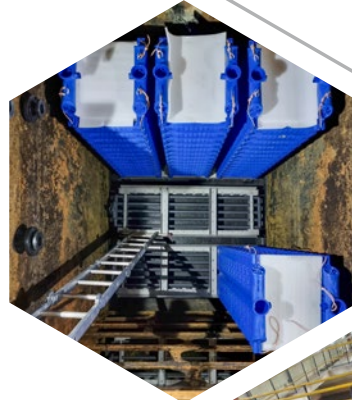
# SITE IMAGES



# PROBLEMS WE SOLVE

## Replacing Failing Polymeric Membranes

A seamless upgrade from submerged polymeric to ceramic membranes – direct replacement using existing infrastructure. Ideal for MBR, drinking water, and tertiary applications



## Increasing Sand Filter Capacity

Increase sand filter capacity by 3x within the same footprint with a ceramic membrane retrofit



## Handling the Toughest Feed Waters (Oily, High Temp, Fe & Mn etc.)

Operating across a wide range of feed waters: with minimal to no chemical cleaning limitations, ensuring full operational flexibility



## Improving Filtrate Quality

Ensures consistent filtered water quality regardless of feed water conditions; a durable physical membrane barrier effectively removes impurities



## Minimizing Downtime During Peak Events

Maintains reliable operation through algae blooms, high TSS, rain runoff spikes, and organic surges



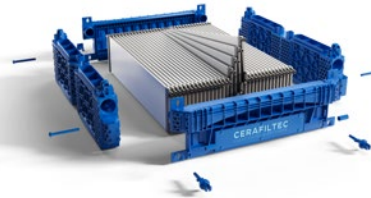
## Reducing Operational Costs

Extended membrane life, little maintenance, lower chemical consumption, and improved plant operation reduce operational costs, ultimately optimizing the bottom line



# MODULAR PRODUCT DESIGN

The products are designed to be highly modular, ensuring effective operation in all applications and sizes



## Single ceramic plate

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



## Filtration module with 6.0 m<sup>2</sup>

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



## Single filtration tower

Fully made of glass fiber reinforced resin without any steel parts

## Multi-tower configuration

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

\*Blue modules are used for drinking water applications  
Black modules are used for wastewater applications

# SUPERIOR FILTRATION



40-50% less energy consumption



Up to 70% less installation space required - easy extension of existing plant capacity



Up to 5x higher lifetime compared to polymeric membranes



20-50% lower CO<sub>2</sub> footprint





# ENGINEERING SERVICES

## Projection

The right process design and project cost understanding

A detailed calculation package for filtration processes 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 and more

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

Scan this code for more information

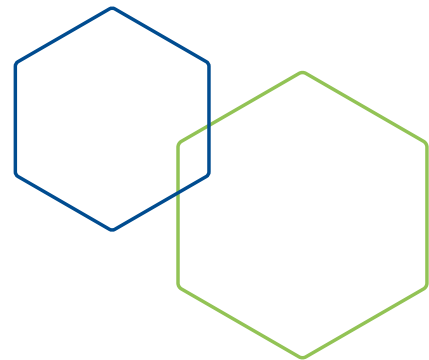


# DESIGNING YOUR CERAMIC MEMBRANE PLANT

## CERAPRO

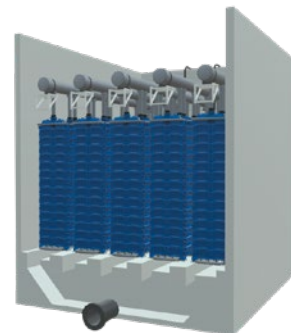
CERAFILTEC UF PROJECTION TOOL

The solution to create fast budgetary designs and also to support engineering and application engineers



## Immediate Projection

After entering mandatory design parameters, you will get an immediate projection including operational parameter, tank design, consumables and much more



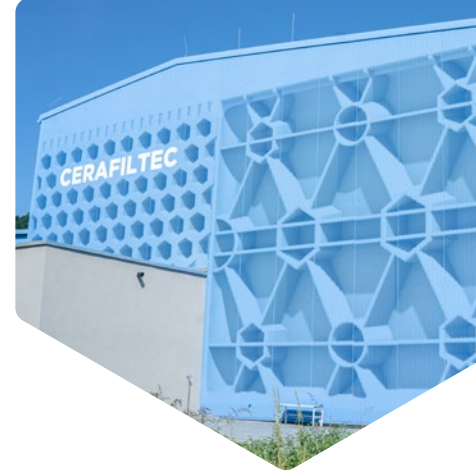
## Simple Usability

The intuitive design reduces training time and speeds up project creation

## 2D and 3D Drawings Generation

Fast visualization enables quicker decision-making, cutting costs on presentations and approvals

# 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**

**CERAFILTEC technology** is built for the future – **trusted to perform, designed to endure**

## CERTIFICATES



Certified to  
NSF/ANSI 419



Certified to  
NSF/ANSI 61



## CONTACT US

### Headquarter

CERAFILTEC Germany GmbH  
Quellenstr. 14  
66121 Saarbruecken  
Germany  
+49 681 9581 9570  
germany@cerafiltec.com

### Middle-East

CERAFILTEC ME-FZE  
P.O. Box: 342074  
Dubai Digital Park  
Office A4 Buidling 303  
Dubai, UAE  
+971 44 23 10 70  
mena@cerafiltec.com

### USA

CERAFILTEC US, LLC.  
1739 Sands Place, SE  
Suite H  
Marietta  
Georgia 30067, USA  
470-777-7650  
usa@cerafiltec.com

### Mexico

CERAFILTEC México, S.A. de C.V.  
Camino Huinala-Mezquital  
800 Interior C  
Apodaca, N.L.  
Mexico C.P. 66600  
+52 811 911 8900  
mexico@cerafiltec.com



LinkedIn



Homepage



Contact Us