

**IDE**  
Technologies

Your  
Water  
Partners

# INDUSTRIAL WATER TREATMENT SOLUTIONS

Comprehensive water solutions tailored to maximize recovery, reuse, discharge, or supply. Supporting your needs, your way.





# Water Solutions for Any Industry

IDE delivers advanced industrial water and wastewater treatment solutions to leading sectors worldwide. Our sustainable technologies address the toughest water supply, effluent, and wastewater challenges. We offer industry-leading recovery rates ensuring regulatory and environmental compliance, optimizing water usage, and reducing environmental impact.

Our solutions transform wastewater into a valuable asset.



Power



Petrochemical



Microelectronics  
& Semiconductors



Mining



Chemical



Energy





## A Broad Range Of Unique Benefits:



**High recovery technologies** are integrated into our designs, maximizing water reuse and recycling.



**End-to-end water treatment** from pretreatment and membrane solutions to ZLD with thermal technologies.



**Reduced OPEX and CAPEX** compared with conventional solutions.



**Modular design** with quick setup, ideal for remote locations.



**Proven expertise in EPC, turnkey, O&M, BOT,** and other business models.



**Fully customizable** to a variety of water sources and customer requirements.



**Global delivery** capabilities.



Industries face a complex set of challenges: water scarcity, stricter regulations for wastewater disposal, and the growing pressure to operate sustainably.

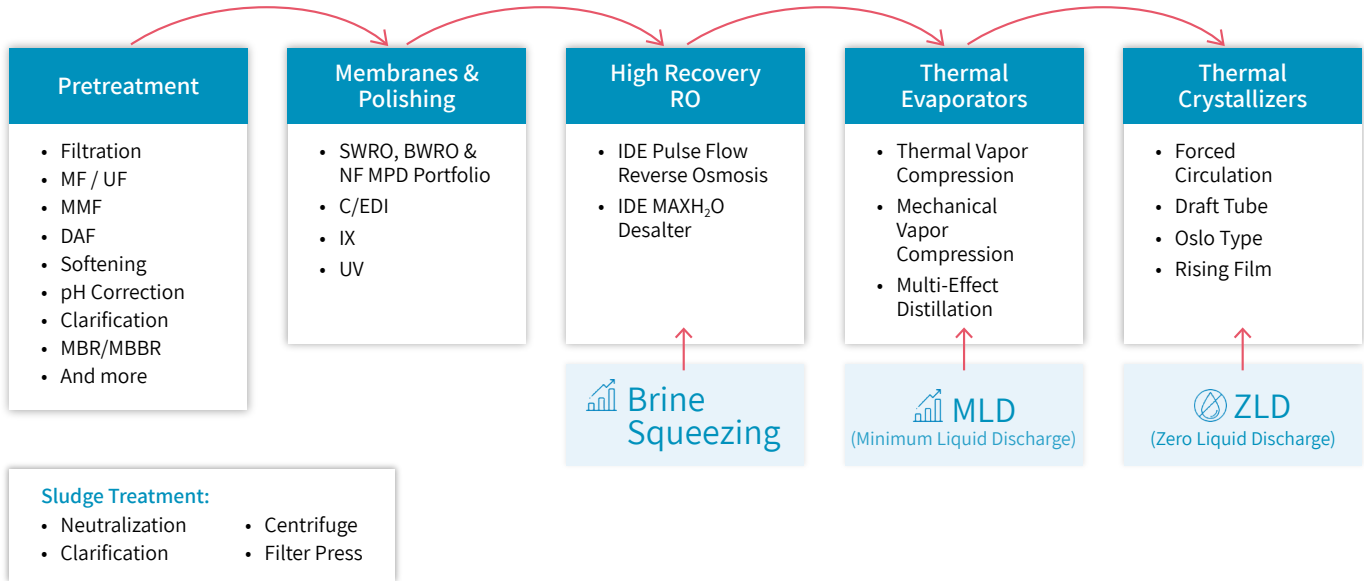


# Water Solutions for Any Challenge

Leading Integration and Technology Solutions for Industrial Water Treatment Projects

## IDE's Water Treatment Solutions

IDE is a **technology provider** and system **integrator** for IWT projects



### RELIABLE

Durable and reliable water treatment solutions for over 60 years.



### SUSTAINABLE

Less chemical usage.  
Less energy.  
Less labor.



### ECONOMICAL

Lower equipment, installation, and operational expenses.



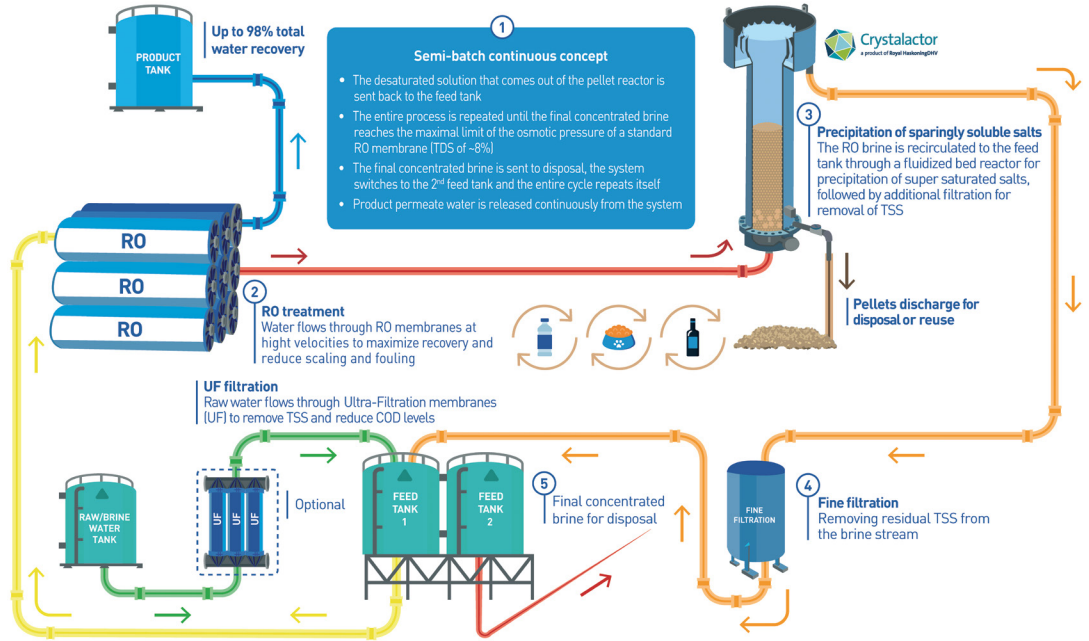


# High Recovery & Brine Minimization Solutions

Our innovative brine management solutions, MAXH<sub>2</sub>O Desalter and PFRO, minimize brine volume and reduce disposal costs, helping you meet regulatory requirements, maximize freshwater recovery, and unlock your reuse potential.

## MAXH<sub>2</sub>O Desalter

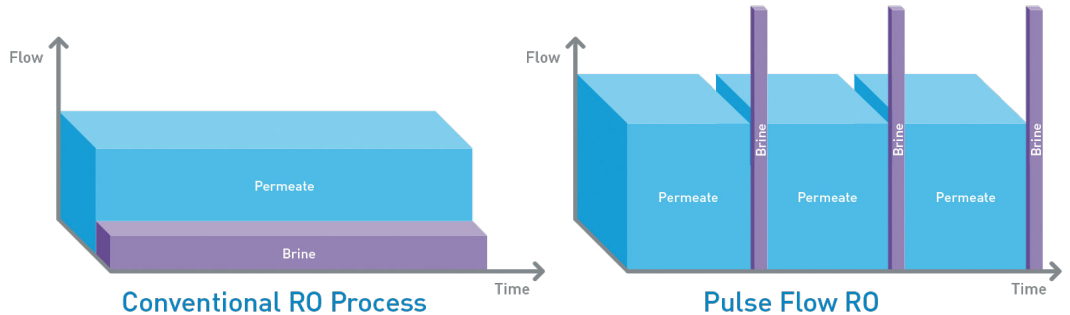
The MAXH<sub>2</sub>O Desalter includes an integrated salt precipitation cycle for high recovery applications. The MAXH<sub>2</sub>O Desalter process pushes reverse osmosis to its limit while overcoming the challenging limitation of membrane scaling and fouling while achieving the industry's highest recovery rates.



Industrial Effluent Treatment & Brine Minimization

## MAXH<sub>2</sub>O Pulse Flow Reverse Osmosis (PFRO)

Our proprietary PFRO technology revolutionizes conventional RO operation by discharging brine in forceful pulse flows. The rapid changes in osmotic and gauge pressure prevent biofouling.



**Maximize recovery. Minimize disposal volume.**

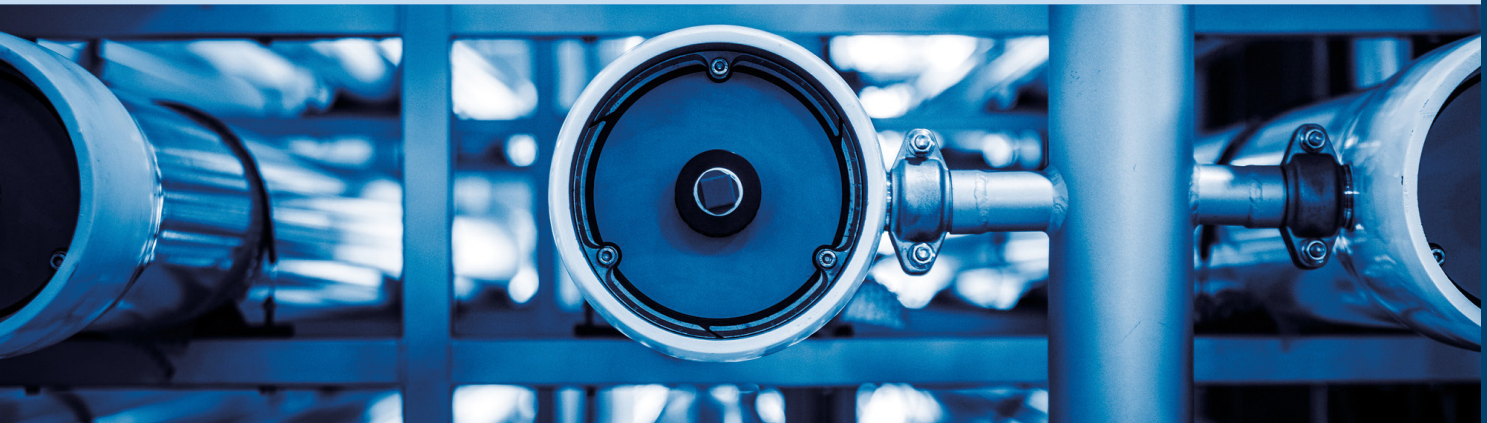


## About IDE

IDE Technologies is a world leader in water treatment solutions, specializing in the development, design, construction, delivery, and operation of some of the most advanced industrial water treatment, water reuse, municipal, and desalination facilities.

With over 60 years of experience and a global footprint, IDE leverages cutting-edge technologies to deliver sustainable, efficient, and environmentally friendly water treatment solutions to municipal and industrial customers. Our landmark projects, including the world's largest and most energy-efficient seawater desalination plants, provide treated water to millions globally, supporting major industries, municipalities, and governments to address critical water challenges.

IDE has received multiple prestigious awards from organizations such as MIT and GWI, recognizing our innovation and leadership in the water treatment industry.



## We Are Your Water Partner

IDE Water Technologies

 [www.ide-tech.com](http://www.ide-tech.com)  [contact@ide-tech.com](mailto:contact@ide-tech.com)

Let's talk about your  
next water project

