Ovivo® Silicon Carbide Membrane Technology
ALL THE WATER WE HAVE IS ALL THE WATER WE WILL HAVE.

It is our responsibility to treat, recover, and reuse it wisely.

Ovivo’s mission is to provide sustainable and efficient water treatment solutions to our customers through expertise and innovation.
LIMITLESS POSSIBILITIES

CHANGING THE LANDSCAPE OF MEMBRANE SYSTEMS

Silicon Carbide (SiC) represents a dramatic shift in membrane technology. With a unique set of material properties, SiC changes the perception of what a membrane is capable of doing.

SiC naturally draws in water due to its hydrophilic and porous properties. Such water loving properties allow SiC to achieve the highest sustainable flux rates across all applications.

SiC membranes allow water and wastewater treatment plants to achieve levels of performance previously thought impossible.
UNIQUE PROPERTIES

All of SiC’s key properties work together to provide a technology that is 100% recoverable.

HYDROPHILIC
Natural and permanent hydrophilic properties ensure less chemical cleaning and indefinite dry storage.

POROSITY
Operate at higher sustainable flux rates and solids concentration compared to other membrane formats.

MATERIAL STRENGTH
Both extremely hard and chemically inert, SiC allows for new and aggressive cleaning methods.
PRODUCT OFFERING

SiC’s versatility – namely, it’s wide operating window, ability to be dried and rewetted, and high chemical tolerance – provides a sophisticated operating experience with 100% sustained recoverability over the life of the membrane.

SiC membrane technology is the best available technology for membrane bioreactors (MBR), wet weather treatment, tertiary treatment systems, and sludge thickening applications.

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MBR SYSTEMS
Revolutionizing MBR systems with unmatched performance, easier operation, and reuse quality effluent.

PRODUCTS
• Ovivo® MBR System
• microBLOX® Package Plant

ADVANTAGES
• Widest operational window ensures reliable performance, even under the harshest of conditions
• Resistant to material fatigue and chemical attack, SiC extends operational life far beyond conventional membrane technologies

WET WEATHER TREATMENT
Prevent pollutants being discharge into sensitive waterways with rapid treatment of CSO and SSO flows.

PRODUCTS
• Ovivo® RapidStorm™ Treatment
• stormBLOX™ Package Plant

ADVANTAGES
• Rapid treatment with instant high quality effluent
• Ground-breaking disinfection advantages with 6 Log fecal coliform removal
• Ideal for tight footprints
**TERTIARY MEMBRANE FILTRATION**

Advanced treatment to meet tight permit limits and for water reuse applications with completely new disinfection capabilities.

**PRODUCTS**
- Ovivo® Tertiary Treatment System
- ultraBLOX™ Package Plant

**ADVANTAGES**
- Ultra low phosphorous removal
- Class A and advanced reuse capabilities
- Lagoon upgrades and chlorine contact chamber retrofits

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**SLUDGE THICKENING SYSTEMS**

Reduce hauling costs and polymer usage in a smaller footprint.

**PRODUCT**
- solidBLOX™ Package Plant

**ADVANTAGES**
- Easy to install & quick start-up
- Can thicken WAS up to 3% solids without polymers
- Reliable performance & reduced O & M
WHEREVER OVIVO TOUCHES WATER, WE SEEK TO ADD VALUE.

Ovivo was born from the need for clean water. We believe in challenging our people to learn, to grow, so we can provide the best experience for those seeking clean water. It’s our stability combined with our fierce energy to do good that keeps us looking ahead. We want to do good work, with good people, and have fun while we’re doing it.

To learn more about Silicon Carbide technology, visit us at ovivowater.com/sic

ovivowater.com

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