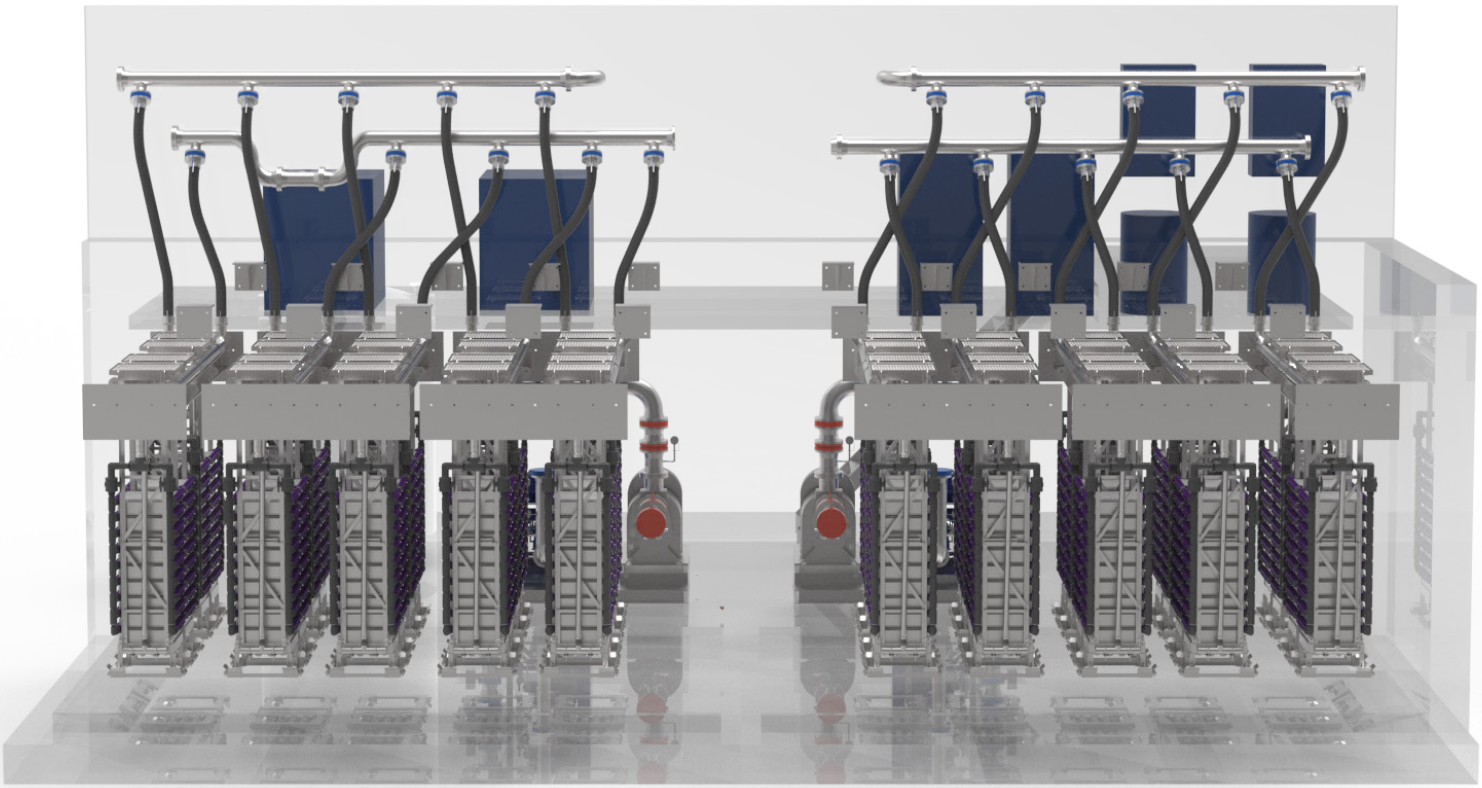
ecoBLOX®

SiC MEMBRANE BIOREACTOR

MBRs are a fantastic technology that we need – it provides a level of wastewater treatment that no other technology can but they sometimes face operational challenges or difficulties. Let's remember that membranes in an MBR are in a turbulent, high mixed liquor, high fouling environment which can place tremendous stress on any membrane. ecoBLOX systems are able to endure and withstand the stresses of an MBR environment by utilizing SiC membranes that are a rock!

ecoBLOX systems are truly resilient. ecoBLOX systems have the widest operational window meaning they can adapt, without failure, to changes in process conditions. This ability to adapt ensures smooth operation, long membrane life, and low life cycles costs. ecoBLOX plants are also a great fit for installations with seasonal flow, like ski resorts, where temporarily shutting down the system for an extended period of time makes sense.



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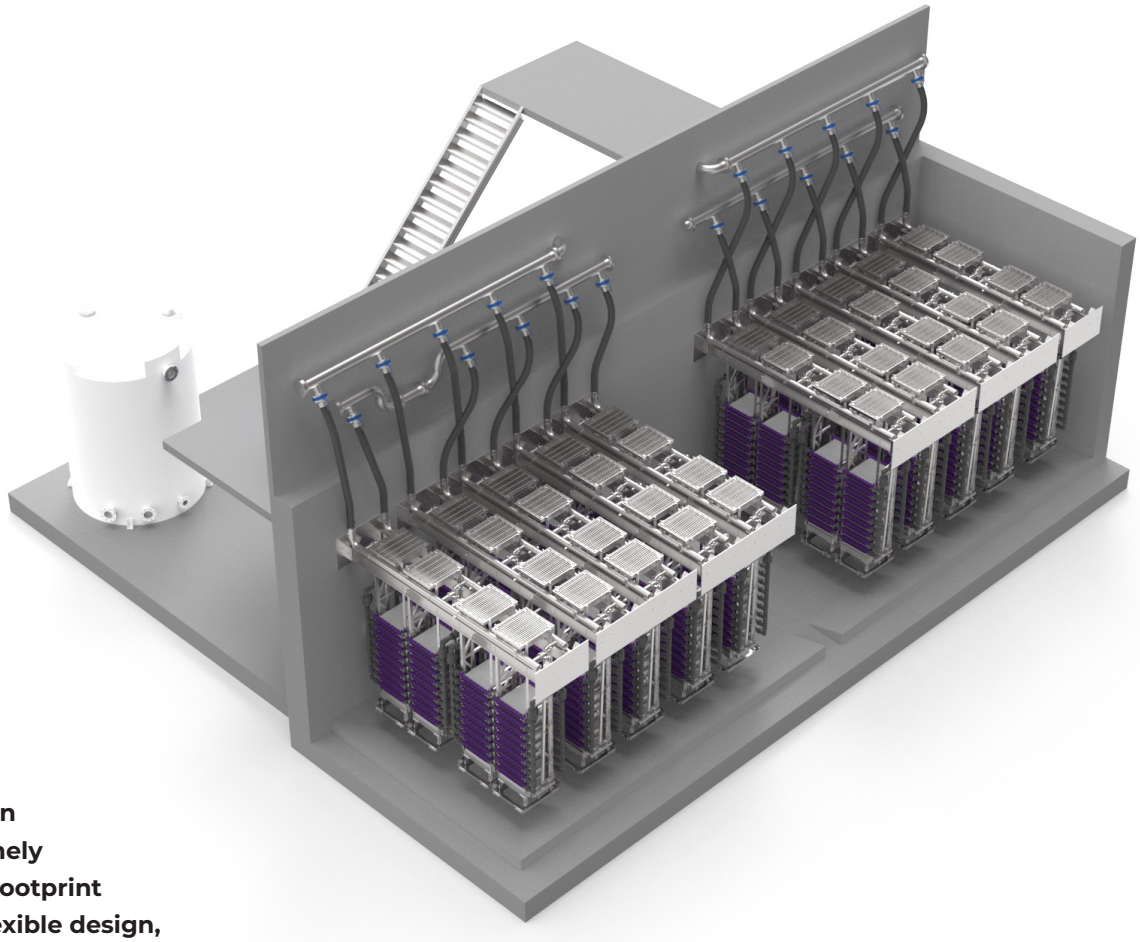
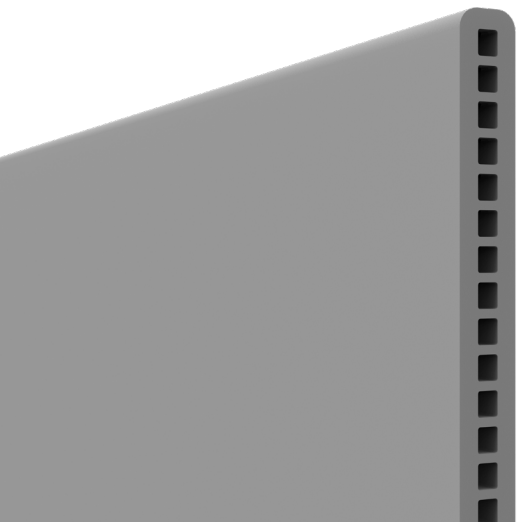


With an extremely small footprint and flexible design, ecoBLOX systems can be easily integrated into existing treatment plants. That same flexibility, coupled with smart automation and process design make it perfect for greenfield installations.



ECOBLOX IS USED IN THE FOLLOWING MARKETS:

- Replacement of struggling polymeric MBR plants
- Retrofit of conventional activated sludge (CAS) plants
- Greenfield plants
- Packaged plants

BENEFITS OF ECOBLOX:

- Increase capacity of existing systems, including MBR plants
- 100% recoverability
- Widest operating window
- Membrane life is decoupled from chemical cleaning
- Easy to operate and maintain
- Easily placed offline dry with no special preservation