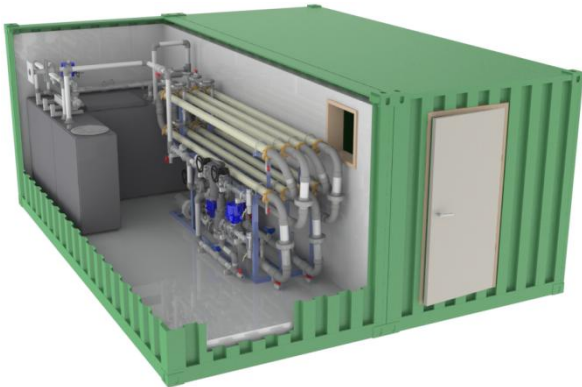




ExtremeSTP™ Sewage Treatment Plant Containerized MBRs (Aboveground, Commercial, Membrane Bioreactors)

Commercial ExtremeSTP™ sewage treatment plants are designed for use anywhere on Earth, including extremely cold climates (-60°F/-51°C). Each system can be customized to meet the client's needs. Our typical membrane bioreactor (MBR) treatment process includes a surge tank, a fine solids removing screen, bioreactor to provide aerobic decomposition, tubular membrane ultrafiltration, UV disinfection, and dosed effluent discharge. However, different processes may be used to better meet the client's needs.



Standard Features:

- Top quality ISO shipping containers provides rugged, weatherproof enclosures. Customer selects the paint color
- Insulation is applied to the interior of the container. Accessible areas are finished with easily cleanable fiberglass reinforced plastic
- PLC controlled, remote monitoring with web cam
- Most process tanks are made of extrusion welded, heavy duty, copolymer polypropylene plastic. Some are rotationally molded plastic tanks, and others are made of welded stainless steel. All are corrosion-free, low maintenance tanks that never need painting
- 'Plug-and-play' (or better expressed as 'plug-and-poop') design makes installation simple

Options:

- Air-transportable design for shipment to remote northern communities
- Portable design that allows the system to be partially drained down, transported to another site, and started up again. This design is especially well suited for ice road and exploration camps that must be quickly and easily relocated
- On-board generator for treatment plant operation
- Other types of membranes besides tubular UF membranes

Sizes:

- Any size from 500 gpd to 100,000 gpd and beyond

