WASTEWATER TREATMENT SOLUTIONS

Rewatec™ Ecoflo®

Commercial, community, institutional, municipal, and industrial projects
Protect your property investment and the environment by choosing our innovative wastewater treatment and liquid storage solutions.

Count on our team to help you succeed. As our partner, draw on our global experience and local experts to add real value to every stage of your project. Together, our collaboration will transform any challenge into a solution tailored to your needs.

Discover our products and services and join us in the movement to make the world a better, more sustainable place for all.

**ECOFLO®**
Sustainable septic solutions

**REWATEC™**
Decentralized solutions for water and wastewater management

**ECOPROCESS™**
Engineered environmental technologies and services

MORE THAN 2,000 PROJECTS WORLDWIDE
PERSONALIZED SOLUTIONS
- solutions for any site
- designs adapted to your needs
- compact systems available

MOBILE OPTIONS
- ideal for seasonal projects and temporary camps
- no infrastructure needed
- excellent performance-to-cost ratios

STREAMLINED INSTALLATIONS
- modular designs for installations by phase
- quick delivery
- systems pre-assembled and ready to use

PREMIER TECH’S 360° SUPPORT
- design support to find the best solution
- installations guided by on-site engineers
- commissioning by trained experts
- maintenance to protect your investment

Premier Tech home base
Premier Tech solution installed
Ecoflo is the most sustainable septic solution available. Using no energy for treatment, it removes wastewater pollutants with an all-natural filter made of coconut husk fragments or a bi-layer combination of coco and peat.
APPLICATIONS
• campgrounds and parks
• schools
• apartment buildings
• office buildings
• residential developments

ADVANTAGES
• 24/7 autonomous operation
• no energy for treatment
• stable performance in all seasons
• installed for life
• pre-assembled models for easy installation

TREATMENT PERFORMANCE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Ecoflo Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBOD₅</td>
<td>&lt; 10 mg/L</td>
</tr>
<tr>
<td>TSS</td>
<td>&lt; 10 mg/L</td>
</tr>
<tr>
<td>Fecal coliforms</td>
<td>&lt; 50,000 CFU/100 mL</td>
</tr>
</tbody>
</table>

UV DISINFECTION
Reduces fecal coliforms to < 200 CFU/100 mL

PHOSPHORUS REMOVAL
Reduces phosphorus to < 1 mg/L

NATURAL, RENEWABLE, COMPOSTABLE FILTER

Ecoflo removes wastewater pollutants with a filter made of coconut husk fragments or a combination of coco and peat. Both materials are natural and compostable, and coco is 100% renewable.

First life
Renewable coconut husks

Second life
Filter for wastewater treatment

Third life
Compost for replanting projects

OUR CLIENTS

Allegany County Jail, New York
20 Ecoflo

Sudbury Airport, Ontario
40 Ecoflo

See page 14 for details.
Rewatec MBBR is the clear-cut solution for projects with continuous fluctuations in wastewater flow and strength. Ideal for medium to high organic loads, this modular system reduces soluble CBOD$_5$ by up to 99% and NH$_4$ by at least 94%.

**Rewatec MBBR**
Allows wastewater to mix among plastic biofilm carriers. Bacteria attached to these carriers remove soluble pollutants from wastewater.

**Coarse bubble diffusers**
Move and self-clean biofilm carriers to increase their exposed surface area and provide the oxygen needed for optimal treatment results.

**Robust construction**
Available in durable polyethylene, concrete, or fiberglass.

**Clarification tank**
Separates sludge and scum to ensure high performance.
APPLICATIONS

• restaurants
• gas stations
• schools
• wineries and microbreweries
• hotels and inns
• campgrounds and parks
• food processing plants
• residential and municipal developments

ADVANTAGES

• versatile and simple operations
• stable performance in all seasons
• blends into landscaping
• ideal for retrofits with existing infrastructure
• remote management options

TREATMENT PERFORMANCE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rewatec MBBR Effluent</th>
<th>Rewatec MBBR + Ecoflo Effluent</th>
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</thead>
<tbody>
<tr>
<td>CBOD₅</td>
<td>&lt; 20 mg/L</td>
<td>&lt; 10 mg/L</td>
</tr>
<tr>
<td>TSS</td>
<td>&lt; 20 mg/L</td>
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</tr>
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</table>

UV DISINFECTION

Reduces fecal coliforms to < 200 CFU/100 mL

PHOSPHORUS REMOVAL

Reduces phosphorus to < 0.5 mg/L

OUR CLIENTS

Spyglass Ridge Winery, Pennsylvania

QuickChek Convenience Store, New Jersey

Camp Courageous, Iowa

Cartwright Springs Brewery, Ontario

See page 14 for details.
Rewatec MBR protects sensitive areas by removing wastewater pollutants that cause harmful algae growth. Efficient and highly effective, this modular system has a final footprint that is up to 75% smaller than conventional systems.

**Robust construction**
Available in durable polyethylene, concrete, or fiberglass.

**Next-generation ultrafiltration membrane**
Blocks pollutants with pores that are just 0.4 µm wide. Superior manufacturing quality ensures uniform pore size and distribution, allowing a higher flux rate. Rigid design resists breakage caused by movement.

**Fine bubble diffusers**
Scour the membrane and supply oxygen needed for the biological treatment process. Optimized intervals ensure energy efficiency.
APPLICATIONS

• residential and municipal developments
• campgrounds and parks
• roadside rest areas
• upgrades to installations with faulty membranes
• sites near ecologically sensitive areas

ADVANTAGES

• the most compact solution available
• pre-assembled for easy installation
• robust next-generation membrane
• remote management options

TREATMENT PERFORMANCE

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<tr>
<th>Parameter</th>
<th>Rewatec MBR Effluent</th>
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<tbody>
<tr>
<td>CBOD$_5$</td>
<td>&lt; 5 mg/L</td>
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<tr>
<td>TSS</td>
<td>&lt; 1 mg/L</td>
</tr>
<tr>
<td>Fecal coliforms</td>
<td>&lt; 10 CFU/100 mL</td>
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PHOSPHORUS REMOVAL

Reduces phosphorus to < 0.1 mg/L

See page 14 for details.

OUR CLIENTS

Hydro-Québec Worker Camp, Québec

KOA Campground and Mont Saint-Mathieu Park, Québec

Municipality of Sainte-Cécile-de-Whitton, Québec

Mont-Citadelle Park, Québec
Rewatec SBR is the proven, versatile solution for commercial and municipal projects. This modular plant reduces CBOD₅ and TSS by up to 98% and can easily be expanded to keep pace with your growing needs.

**Robust construction**
Available in durable polyethylene, concrete, or steel.

**Floating decanter**
Drains clarified wastewater into the receiving system. Solids exclusion ensures reliable performance with minimal maintenance.

**Aeration system**
Supplies fine bubbles (for energy savings) or coarse bubbles (for minimum maintenance).
APPLICATIONS

- municipal and industrial treatment plants
- leachate treatment for landfills and technical landfills
- agri-food processing plants
- residential developments
- upgrades to faulty systems

ADVANTAGES

- operating modes adapt to changing conditions
- pre-assembled for easy installation
- removes phosphorus and nitrogen in a single step
- effective nitrogen management (nitrification and denitrification)
- remote management options

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NITROGEN REDUCTION

Reduces nitrogen to < 10 mg/L

UV DISINFECTION

Reduces fecal coliforms to < 200 CFU/100 mL

PHOSPHORUS REMOVAL

Reduces phosphorus to < 0.6 mg/L

See page 14 for details.

OUR CLIENTS

- Municipality of Morristown, New York
- Municipality of L’Orignal, Ontario
- Municipality of Essex, Ontario
- Manitoba Hydro Worker Camp, Manitoba
LARGE-CAPACITY POLYETHYLENE TANKS

Easily integrated with Rewatec water management and wastewater treatment technologies, our rotomolded tanks are ideal for primary treatment, equalization, clarification, or storage.

**APPLICATIONS**
- septic tanks
- pumping stations
- liquid storage
- rainwater collection

**ADVANTAGES**
- capacities from 2,640 to 13,200 gal (10 to 50 m³)
- lightweight (no crane required)
- high-strength design
- pre-assembled for easy installation
Coarse bubble diffusion (AirOmega)
- ideal for aerated treatment tanks and management basins
- high-performance mixing and aeration
- 100% stainless steel
- no maintenance required

Static aeration (Atara)
- ideal for aerated ponds
- simple to install
- no clogging or premature fouling
- no maintenance required

Unidirectional aeration (Oxijet)
- ideal for aerated ponds and basins
- no disruption to existing operations during installation
- versatile configurations
- easy-to-maintain pump

Floating decantation (SwingCanter)
- ideal for SBRs and lagoons
- solids exclusion system
- flexible elbow prevents breakage
- no mechanical parts
- no maintenance required
Our UV disinfection options kill wastewater pathogens, so you can safely send wastewater into a ditch or watercourse.

**Elliptical reflectors**
Reflect UV radiation to optimize the treatment process.

**Stainless steel wiper blade**
Cleans quartz sleeve six times per day.

**UV lamps**
Expose wastewater pathogens to UV radiation.

**Quartz sleeve**
Holds wastewater for UV disinfection.

**PHOSPHORUS REMOVAL**

Without proper treatment, phosphorus in wastewater can cause harmful algae growth in lakes and rivers. Protect these sensitive areas with our phosphorus removal option.

**Coagulant drums**
Optional sensors detect available coagulant and signal when levels are low.

**Dosing pumps**
Inject coagulant based on the installation’s actual flow rates. Requires no chemical handling for operators.

**Static mixer**
Allows coagulant to mix with wastewater, transforming soluble phosphorus into solid compounds.
PREMIER TECH’S 360° SUPPORT

PROUDLY STANDING BEHIND OUR PRODUCTS SINCE 1995

Local expertise is the bedrock of our global team. Together, we have the technical knowledge and industry experience to help you succeed in every phase of your project.

- engineering support guarantees the best solution
- help with technical drawings, P&IDs, and PFDs
- advice for electromechanical equipment
- control panel design, including electrical diagrams

- dedicated project managers
- fast answers to all questions
- on-site support ensures high-quality installations
- real-time troubleshooting

- support from process and mechanical experts
- local service technicians
- remote support available

- commissioning by a qualified technician
- verification of installation success
- rapid responses to any areas of concern
MAKING A DIFFERENCE FOR WATER AND THE ENVIRONMENT

At Premier Tech, People and Technologies connect in lasting, transformative ways, giving life to products and services that help feed, protect, and improve our world. Our team of experts constantly innovates, redefining what is possible through effective, efficient, and sustainable solutions. Driven by a shared passion, we are committed to protecting our resources for the future.