

Discover

OUR UNIQUE OFFER
FOR WASTEWATER TREATMENT



DESIGNED AND PACKAGED TO FIT YOUR NEEDS

- RESIDENTIAL
- COMMERCIAL
- INSTITUTIONAL
- COMMUNITY
- MUNICIPAL AND INDUSTRIAL



AT PREMIER TECH ENVIRONNEMENT,
WE DELIVER THE RIGHT, AFFORDABLE,
PERMANENT AND SUPPORTED SOLUTIONS



Premier Tech
Environnement

PREMIER TECH ENVIRONNEMENT: YOUR PREFERRED PARTNER

PREMIER TECH ENVIRONNEMENT SETS THE STANDARD THROUGH

Premier Tech Environment (PTE) is successful in providing the right wastewater treatment solution from domestic to high strength and from residential to municipal applications. All of our systems are manufactured and supported by our own team and partners, ensuring the very best product quality. Choosing Premier Tech Environment (PTE) as your single-source partner means choosing a company that will help you select the right solution at the right cost and will support you throughout your projects.



HERE'S HOW WE HAVE MADE IT POSSIBLE

EXPERTISE THROUGH
VISION

RESEARCH THROUGH
INNOVATION

PRODUCT DEVELOPMENT
THROUGH TEAM WORK

BROAD RANGE OF
CERTIFIED TECHNOLOGIES
THROUGH AGILITY

INTEGRATED
MANAGEMENT THROUGH
EXECUTION

Our business is driven by a rigorous management process based on a strategic plan including values (Vision, Innovation, Team work, Agility and Execution) and on strategic competencies (Expertise, Research and Development, Product development, Broad range of certified technologies and Integrated management). These create the DNA of Premier Tech.

EXPERTISE VISION

PTE is a business unit of the Environmental Technologies Group evolving within Premier Tech, a company that counts more than 80 years of experience. Premier Tech has been building its long-term vision, know-how and reputation on the various technology-oriented opportunities offered by sphagnum peat moss, an abundant natural resource in Canada. It includes seven business units, gathered in three groups — Horticulture and Agriculture, Industrial Equipment and Environmental Technologies. Buoyed by a multidisciplinary team of over 1,600 people based in America, Europe and Asia, Premier Tech is building on the development of its personnel, on innovation, research and development, and on the introduction of value-added products. Its strategic approach is supported by ongoing worldwide market development efforts.



THE TECHNOLOGIES IT HAS BROUGHT TO MARKETS FOR OVER 20 YEARS

RESEARCH INNOVATION

Within the Environmental Technologies Group, PTE has developed simple, efficient and cost-effective technologies that achieve sustainable development in an area as essential as wastewater treatment. The PTE wastewater treatment systems are developed and marketed to meet three important criteria: they exceed local government standards, the installation is permanent, and they are supported by an integrated product management program thanks to a reliable and solidly built operating system.

A consistently superior level of technical solutions requires two elements: top-class research and development and a constant supply of new ideas. This is why RD&I has been a strategic initiative for 30 years.



PRODUCT DEVELOPMENT TEAM WORK

PTE's multidisciplinary team travels the world in search of the latest technologies. They also do research and carry out a multitude of in-house experiments, often inspired by emerging market and technological trends, customer needs and the observations of team members who work in the field. In this sense, PTE is always at the forefront of innovative ways of doing things, which allows us to expand our horizons, provide the most cutting-edge technologies and new product options/features, and perform continuous improvement of the existing product line and service support. Our multidisciplinary team works closely with our key partners and suppliers following a very thorough scientific process, all according to the company's product development process which includes field validation and independent certification. All technologies are supervised by a scientific management team comprised of experienced experts and all RD&I projects are verified by an independent Scientific Board comprised of renowned international experts.

PREMIER TECH ENVIRONNEMENT: YOUR PREFERRED PARTNER

PREMIER TECH ENVIRONNEMENT HAS MARKETED PRODUCTS WHERE

BROAD RANGE OF CERTIFIED PRODUCTS

At PTE, we deliver a broad range of certified solutions for wastewater treatment needs. PTE's Innovation, Research and Development team has been designing wastewater treatment technologies for some 30 years. We've marketed products where quality, performance and reliability have proven to be among the very best. We've succeeded in obtaining certification from the US, Canada and Europe.



American
Certification



Quebec
Certification

NO. 0880-010



European
Certification



European
Technical Advice

PERFORMANCE CERTIFIED BY INDEPENDENT INTERNATIONAL BODIES

PTE has systematically been reviewing its technologies over many years, during demonstrations, voluntary follow-ups or bench-test certifications. Our products show consistently good results and provide excellent performance under hydraulic overloads, stress and all sorts of weather conditions.

PTE continuously tests its technologies. Our industry must be able to rely on solid protocols and scientific data. Where wastewater treatment is concerned, PTE systems show time after time that, over the long-term, they are durable, permanent, reliable and safe solutions that continue to exceed national and international requirements.



QUALITY, PERFORMANCE AND RELIABILITY HAVE PROVEN TO BE AMONG THE VERY BEST

LOW-DENSITY POPULATIONS SOLUTIONS RESIDENTIAL

PTE's main technology designed for single family dwellings is an advanced secondary treatment onsite wastewater biofiltration system known as Ecoflo®. The Ecoflo® was first launched on the market in 1995. It offers permanent, compact and flexible features with a 100% natural and ecological filtering medium and no electromechanical component.

The Ecoflo® product line is available in two models: with a fiberglass shell or with a concrete shell. The Ecoflo® offers a solution for any type of site or soil and discreetly adapts to any landscaping without noise or odour. These systems are now sold all over the United States, in Canada, and in Europe. The Ecoflo® can also be used for low-density commercial and community projects (approximately 5 to 100 persons / 1 to 15 m³). Ecoflo® offers tremendous potential, as it can be installed in conditions where most conventional systems available on the market cannot. For nitrogen removal in sensitive environments, a textile filter can be provided using the Ecoflex® system. PTE's line of residential products also includes conventional wastewater distribution systems, septic tanks, effluent filters and other peripheral products such as pumping stations, adaptors and accessories for septic tanks.

Ecoflo®

CHOSEN BY MORE THAN
40,000 FAMILIES
IN THE PAST 15 YEARS!



MEDIUM-DENSITY POPULATIONS SOLUTIONS COMMERCIAL AND COMMUNITY

In the past 10 years, PTE has developed and field tested two new approaches to offer highly treated effluent for single-family homes, commercial applications including high strength wastewater (restaurant, hotel, resort, golf club, campground, shopping mall, rest area...) and community systems. The first approach is based on a textile filter named Ecoflex®, well adapted for single-family homes, commercial properties and small community projects with domestic wastewater (daily flow smaller than 6,500 gpd (25 m³)). The Ecoflex® achieves superior and constant nitrogen reductions for sensitive environments.

The second approach is designed for high strength wastewater applications or larger community projects with a daily flow greater than 6,500 gpd (25 m³). This approach relies on a combination of a recirculating trickling filter named Bioseg™, reducing the organic loading to a secondary treatment level, followed by a polishing unit made of a series of Ecoflex®. PTE technologies also include Rotofix® and Peatland™ which are low-cost, compact and effective solutions.

Ecoflex®

THE MOST PERFORMANT
AND RELIABLE TEXTILE FILTER

PREMIER TECH ENVIRONNEMENT: YOUR
PREFERRED PARTNER

UNEQUALLED SUPPORT BEFORE, DURING, AFTER INSTALLATION

HIGH-DENSITY POPULATIONS SOLUTIONS
MUNICIPAL AND INDUSTRIAL

PTE large flows solutions include all systems capable of processing wastewater from 0.25 up to 80 mgd (1 000 to 300 000 m³) of water per day. Our team of experts is highly skilled in the design, and production of large volume bio-treatment systems such as Sequencing Batch Reactors (SBR) and aerated lagoons, including elements related to biological design hydraulics, specialized equipment, automation and project management. PTE adapts its

Ecoprocess

OUR SBR KNOW-HOW
AND EQUIPMENT ARE
RECOGNIZED WORLDWIDE

technologies to suit specific needs and develops custom processes for the biological treatment of wastewater generated by cities, towns, landfills and industries. Whether it's to construct a new system, upgrade or replace an existing one, PTE provides turn-key solutions.



PTE's EcoProcess Sequencing Batch Reactor (SBR) processes were developed using innovative combinations of physical parameters, such as various reactor feed modes, with creative internal baffling. These parameters are then combined with adjusted anoxic, anaerobic, and aerobic periods, to offer a unique site-specific process for each application. This broad-design approach allows PTE to review various SBR process configurations and select the most practical solution capable of resolving project specific wastewater treatment conditions in the most performant and economical manner. Finally, EcoProcess SBR designs are certified for biological performance using a modern simulation platform. These bio-simulations validate all aspects of the biological treatment system and validated that the required treatment performance will be achieved. Our SBR know-how and technologies are widely recognized in the commercial, municipal and industrial sectors including landfill leachate and agro applications with equipment installed on all five continents.

The PTE Aerated Lagoon process is based on building artificial lagoons that are used to treat wastewater naturally, using bacteria, light and algae to restore acceptable levels of organic matter. This type of system uses the static ATARA™ concept and operates at low cost.



AND THROUGHOUT THE LIFE SPAN OF THE SYSTEMS

INTEGRATED MANAGEMENT EXECUTION

BY FAR THE BEST WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM ON THE MARKET

PTE and its PT aqua service partners network offers you the technical support to help you choose the right technology for your project, assist your engineers in their estimations and designs and facilitate decentralized management and maintenance programs. PTE also offers permanent systems designed to facilitate operation, preventative maintenance and data collection, including central database and telecommunication devices.

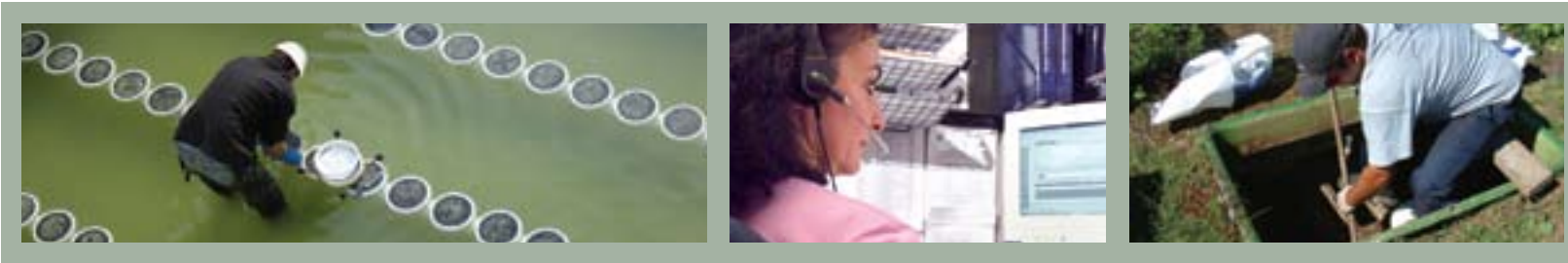


A TRUSTED BRAND THAT MEANS RELIABILITY, QUALITY AND PROFESSIONALISM

RESIDENTIAL INTEGRATED PRODUCT MANAGEMENT PROGRAM

PTE has earned an enviable reputation in the decentralized wastewater treatment industry by including a unique, unparalleled and preventative maintenance contract for the Ecoflo®. Through this "integrated product management program", owners and customers see no difference between on-site and municipal systems.

Professional, qualified and efficient teams have carried out and documented some 130,000 annual preventative maintenance visits. Not only each system is precisely registered in a database for total traceability and update of the system condition, but all service vehicles are equipped with a GPS to locate quickly and precisely each system installed. Ecoflo® has successfully completed an entire life cycle of its main components.



COMMERCIAL AND COMMUNITY INTEGRATED MANAGEMENT PROGRAM

When you purchase a PTE solution, you're not only purchasing a product. You're also buying peace of mind. In addition to high performing and reliable solutions, PTE also provides unmatched technical support before, during and after you purchase one of its technologies.

If requested, the Ecoflex® and Bioseg™ technologies can offer a custom maintenance contract including a telemetry monitoring system that verifies and communicates the system's operation remotely, 24 hours a day, 7 days a week.

MUNICIPAL AND INDUSTRIAL MANAGEMENT PROGRAM

PTE offers management services for its large flows wastewater treatment plants. This is realized using a comprehensive and operator-friendly supervisory control and data acquisition (SCADA) system for the larger municipal and industrial plants. A multidisciplinary experienced team with advanced knowledge in process engineering and control software programming manages all mechanical and electrical aspects of the plants. Our software programs are the core of our technology. This is a major asset for the client and an immeasurable tool for the operator. The SCADA system monitors and edits all defined parameters within the plant and is ideal for communications and support liaison with the PTE service team. Our plants are typically equipped with all necessary software and hardware to enable easy and direct support via the INTERNET. As an option, PTE also offers a local/remote operating system. At the heart is a "PLC-Laptop-Beeper-Modem" to increase work efficiency and save operator time.

Premier Tech Environnement's team and partners network are proud to contribute to the public health and environmental protection. They are serious about PTE's mission to help protect life by providing the right wastewater solutions for the sustainable development of communities. Water is life; that is why we have chosen our VITAE values, which are driving our actions on a daily basis. You can count on us to make sure you have the right solution for your projects; whether it is for a residential, commercial, community, municipal or industrial project, we can provide a system that will suit your needs and deliver clean and safe water.



THE STRENGTH OF PREMIER TECH ENVIRONNEMENT

Founded in 1923 and employing over 1,600 team members around the world, Premier Tech has been building its know-how and reputation by making the most of its business units' technological competencies and team diversity. It is in this context that PTE has become an international leader in decentralized wastewater treatment.

For more than 20 years, PTE has focused its technological and commercial expertise in the market of decentralized wastewater treatment for home owners, companies, communities, and industries. With over 40,000 installations, each one complete with a rigorous inspection, maintenance, and follow-up program carried out by its network of partners, PTE is without a doubt the industry's leading company. Present in North America, Europe and Asia, PTE takes pride in the proven quality, performance, and reliability of its products.

- Over 40,000 installations
- Documented system traceability, inspection, maintenance, and follow-up
- More than 2,500 partners
- Presence in North America, Europe and Asia
- Team of 25 experts entirely dedicated to IR&D
- Treatment performance surpassing regulatory requirements



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Environnement

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