



REACTO™ *BioMimicry*

Nature Inspired Sewage Treatment for a Sustainable Future



Semi & Complete Automatic Options



Low Footprint, Easy Installation & Operation



Quick Turn Around, Minimum or None at all Construction



Low Maintenance, Low Capital



Pre-engineered, Packaged, Modular & Scalable



Underground Overground Installation



CPCB & Global Compliance



Dedicated Support & Partnership

Applications



Residential Buildings, Societies & Colonies

Hotels, Resorts & Industries



Institutions & Public Utility Infrastructure

Rural & Remote Areas



REACTO BioMimicry revolutionizes sewage treatment by replicating the natural purification process of wetlands. By integrating Cena-based wetland plants, naturally occurring microbial communities, and engineered layered filtration media, it biologically treats domestic wastewater through passive and energy-efficient processes. Developed for decentralized applications, the system delivers a sustainable, low-energy, and low-maintenance alternative to conventional sewage treatment plants, while seamlessly integrating into environmentally sensitive developments.



How Does It Work?

REACTO BioMimicry – A Simple & Reliable 3- step system

In EcoSept, primary settling allows gravity-based separation of suspended solids while anaerobic bacteria break down organic contaminants. The clarified water then flows into the BioFilter, where root-zone plants and layered media sustain aerobic and anoxic microbes to reduce BOD, COD, TSS, and nitrogen. Finally, the treated water is safely infiltrated or reused, delivering a sustainable, low-maintenance, and eco-friendly wastewater solution.



Features & Benefits

Integrated Wastewater Treatment:

Combines EcoSept, BioFilter, and Effluent Release units to deliver complete on-site wastewater treatment in a single system.

Compact & Space-Saving Design:

Minimal footprint makes it ideal for residential, commercial, and community spaces with limited installation area.

Simple Passive 3-Step Process:

Gravity-driven system with no moving parts ensures reliable performance with minimal supervision and maintenance.

Energy-Free & Cost Efficient:

Operates without electricity or mechanical aeration, significantly reducing operational costs and emissions.

Flexible & Scalable Installation:

Suitable for above-ground or below-ground setups with modular configurations for higher loads or community applications.

Hygienic, Odor-Free & Standards Compliant

Ensures clean, nuisance-free operation while meeting international standards including EN 12566-3.



Why Choose REACTO BioMimicry?

REACTO BioMimicry, a natural, self-sustaining wastewater solution that operates without power, noise, or maintenance. Compact, eco-friendly and inspired by nature's own purification process, it delivers clean, odor-free water with minimal footprint and zero energy use.

REACTO BioMimicry – Inspired by nature, designed for sustainability

A Technovation by

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