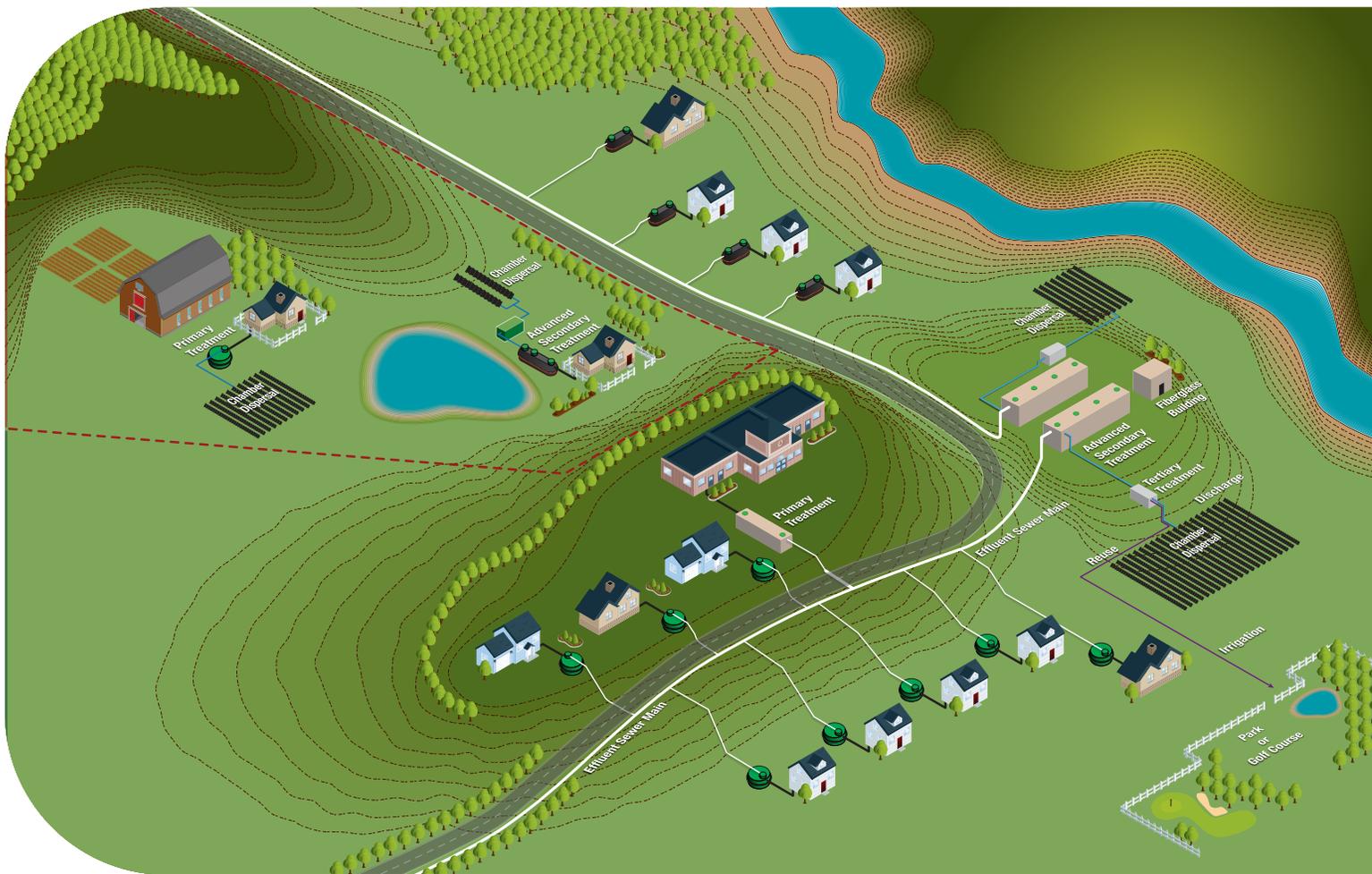
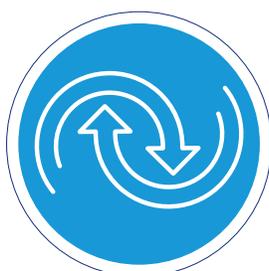


# COMPLETE GUIDE

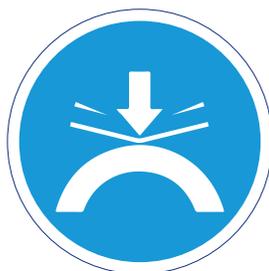
## Decentralized Wastewater Solutions



**COLLECTION**



**TREATMENT**



**DISPERSAL**

**Infiltrator Water Technologies and Orenco Systems manufacture a full line of products that meet the needs of collection, treatment, and dispersal for residential and commercial onsite wastewater treatment systems.**

Decentralized wastewater collection and treatment solutions are often utilized when existing wastewater infrastructure either doesn't exist or does not have capacity. Customized to the unique needs of each individual project, these systems can facilitate higher lot yields and access to more developable property while providing efficient, sustainable, affordable operation and maintenance. We offer several types of collection, treatment, and dispersal options to meet the objectives for each application.



## COLLECTION

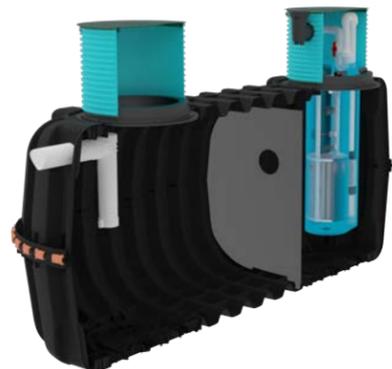
- Complete, packaged system design
- Full technical support
- Compatible with existing infrastructure



### Prelos

Orenco's Prelos® Processor can be used in place of a low-pressure grinder.

- Low power usage
- Reliable even under peak flows
- Small footprint
- Pressurized liquid-only system
- Small-diameter mains
- Trenchless installation with shallow bury depth
- Scalable and expandable
- Ease of maintenance
- Low life-cycle cost
- Lower capital investment



### Infiltrator ProSTEP

ProSTEP is corrosion-resistant and durable, reducing lifetime system costs.

- Reliable Orenco pumping systems
- Integrated controls and wiring
- Pressurized liquid-only system
- Small-diameter mains
- Ease of installation
- Scalable and expandable



## TREATMENT

- Reliable treatment under peak flow
- Pre-plumbed, easy installation

Wastewater collection normally utilizes gravity sewer and lift stations. Liquid only sewer (LOS) is a pressurized sewer system that negates the need for lift stations, reduces initial capital costs and significantly reduces long term renewal and replacement costs.

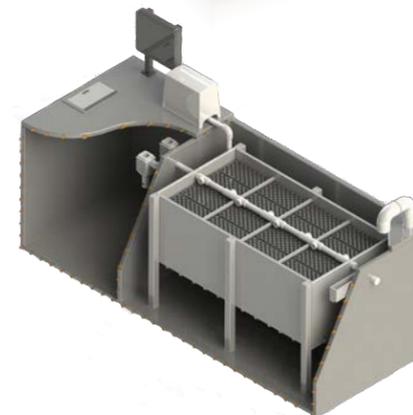
The modular treatment component of a decentralized wastewater system can be installed below, at, or above grade. Modular components reduce construction costs, provide options for phasing, and are expandable and adaptable to future needs. These systems can minimize wastewater challenges like aesthetics, odor, setbacks, and noise. Thousands of treatment units manufactured by Infiltrator Water Technologies and Orenco Systems are installed and operating today. These systems offer simple operation and maintenance protocols and have proven track records of meeting or exceeding treatment levels required by local regulations.



### AdvanTex Treatment Systems

Orenco's AdvanTex technology treats domestic-strength waste to better-than-secondary standards, including reducing nitrogen.

- Low-impact, low-cost, flexible installation options
- Excellent for seasonal, variable, or intermittent flows
- Low power use
- Very low O&M requirements
- Insulated tanks constructed in one-piece fiberglass
- Can be installed buried or above ground



### ECOPOD Treatment Plant

The ECOPOD is a re-engineered treatment plant for commercial or decentralized wastewater treatment. Scalable, customized designs to meet regulatory needs.

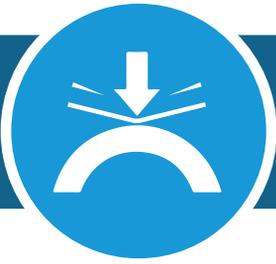
- Continuous or intermittent use
- Flexible and easy to install
- Designed for below, above, or at-grade installations
- Easy to maintain with no mechanical parts
- Wide range of solutions starting at 500 GPD



### ENVIRO-AIRE Treatment Plant

The ENVIRO-AIRE is designed to convert flows into clear and odor-free effluent.

- Customizable to permit that include ammonia, TN, and TP limits
- Prebuilt and shipped as a self-contained unit
- Minimal mechanical components for low life-cycle maintenance costs
- Multiple paint colors available



# DISPERSAL

Flexible installation

Peak flow storage

Strong, lightweight,  
easy installation

Our wide range of dispersal components for use with decentralized wastewater systems offer design and installation flexibility. Systems can be installed within reduced footprints compared with stone and pipe, reducing installation resources. Traffic-rated products can be installed that allow unrestricted use of the land above the system. The product selected can also allow for contoured installation around existing landscape elements, like trees.

## Chambers

Chambers are engineered for strength and performance, easy to install, and greater design flexibility.



- Supports wheel loads of 16,000 lbs/axle with 12" of cover
- Latching mechanism allows for quick installation
- Contouring connections swivel up to 10° right or left for flexible installation
- Certified IAPMO

## Advanced Enviro-Septic

Advanced Enviro-Septic is system that combines treatment and dispersal in the same small footprint.



- Testing in accordance with NSF/ANSI 40 determined that the AES system is capable of treating domestic strength wastewater to Class I levels.
- Effectively filters out even more suspended solids
- Removes up to 99% of wastewater contaminants

## EZflow

EZflow is designed to improve infiltrative performance by eliminating fines and reducing compaction associated with crushed stone.



- Always clean and free of fines
- Bundles are lightweight, quick to install
- Engineered for optimal storage and absorption efficiencies
- Ability to contour along sloped sites and around landscaping
- Gravelless leach field and septic pipe

## ATL

ATL is a sand-lined combined treatment and dispersal system that uses a significant amount of recycled materials.



- A passive, advanced leachfield treatment – no moving parts or power required
- Modules are easy to install
- Shallow system maximizes site suitability, reducing sand fill required
- No venting or sand cover