



Pre-Engineered Modular Decentralized Potable Water Systems

Modular and scalable, cost-effective solutions for municipalities and private and commercial developments



Newterra Pre-Fabricated Modular Systems

A Building Block Approach for Growing Communities

Newterra treatment solutions can address the potable water requirements for a wide range of populations – from our standardized, pre-engineered systems for resorts and condominium complexes to customized systems for large residential developments.

Our potable solutions embody Newterra’s unique “building block” design. Our treatment units are modular to accommodate different treatment technologies, and are scalable – allowing additional units to be added in stages as they’re required.

Our self-contained systems also provide a cost-effective approach to expanding the capacity of existing water treatment plants.



Newterra is a global leader in modularizing treatment systems – including compact, scalable solutions for potable water treatment using proven technology.

Modular Design Minimizes Site Work

Newterra modular treatment technology allows rapid installation and are available in a number of configurations to suit your site requirements and allow fast integration, commissioning and operation:

- Fully packaged, self-contained units
- Skidded units for incorporation into an existing or new facility

Newterra systems are modular, and can be configured as fully self-contained units that can be clad with a variety of materials to blend in with surrounding structures, or integrated into new or existing treatment structures. The systems are shipped MET-Certified.



Self-Contained Systems

Pre-tested and shipped ready for easy and quick on-site commissioning



Skid-Mounted Systems

Pre-made components can be added to new or existing structures



Custom Systems & Structure

Skidded components are designed and pre-fabricated for on-site assembly



Designed To Grow As Your Development Grows

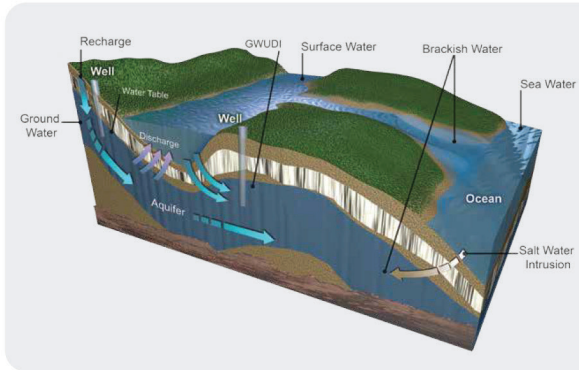
Save on Treatment Infrastructure by Adding Capacity Only When it's Required

Newterra is pioneering innovative decentralized potable water solutions that help you reduce project costs with a sustainable treatment approach. Newterra modular systems meet the most stringent regulatory requirements for potable water while also providing tremendous flexibility and cost deferral.

Rather than constructing a large system at the outset of a development to meet all anticipated future capacity, Newterra's scalable systems allow treatment infrastructure to be added in stages in parallel with capacity requirements. It's a more efficient and cost-effective approach for municipalities and developers – and opens the door to alternative financing models, such as leasing.



Newterra Modular Potable Water Plants allow additional treatment units to be incorporated as they're required – rather than building a full scale system at the outset of a development project



A Wide Range of Water Sources

Source water chemistry and characteristics vary widely – even in regions of close proximity. Groundwater is a common source of potable water. Typically starved of oxygen and rich in dissolved minerals, groundwater often requires very different process steps than surface water to ensure a highly polished, aesthetically-pleasing finished product.



Well Established Treatment Technologies

The technologies for treating potable water are mature and well proven. Their application is highly dependent on the source water characteristics. Newterra has decades of experience designing and manufacturing systems that utilize these technologies to treat water from a wide range of sources.

High Quality Groundwater	Typical Surface Water	Groundwater with High Inorganics	Brackish Well	Seawater
	Screening	Aeration Tank	Aeration Tank	
Primary Disinfection	Coagulation	Chemical Oxidation	Chemical Oxidation	Screening
Secondary Disinfection	Flocculation	Greensand Filtration	Greensand Filtration	Chemical Oxidation
	Clarification	Dechlorination	Dechlorination	Coagulation
	Filtration	Cartridge Filter	Cartridge Filter	Flocculation
	Primary Disinfection	RO/NF	RO	Dechlorination
	Secondary Disinfection	Primary Disinfection	Remineralization	Cartridge Filter
		Secondary Disinfection	Primary Disinfection	RO
			Secondary Disinfection	Remineralization
				Primary Disinfection
				Secondary Disinfection

newtN™ – A Real Game Changer for Remote Telemetry

newtN™ is an advanced cloud-based data acquisition and customer portal for the precise monitoring and control of Newterra Systems and equipment – all in real-time.

newtN customer portal is solely cloud-based, so there is no need for any software or APP (Application) download. All information is readily available in real-time and operates on all platforms including computer, laptops, tablets or any smartphone from anywhere available on the planet.



Easily access data for multiple sites or systems on newtN – all can be easily accessed with assigned credentials from a customer portal. Multiple users can access the same system(s) with the same familiar HMI screens as on-site systems currently use.

In addition to the HMI screens, the following is also easily available on newtN:

- Up-to-the minute system data
- Historical data analysis
- Accessible operation & maintenance manuals
- Informative how-to instructional videos in HD
- Troubleshooting guides & how-to videos
- Searchable system parts list
- Access to Newterra Service & Parts Teams
- Warranty statement, spare parts list, and service requests