

ONEC

MODULAR POTABLE WATER TREATMENT PLANTS



ENGINEER. CONSTRUCT. COMPLETE.

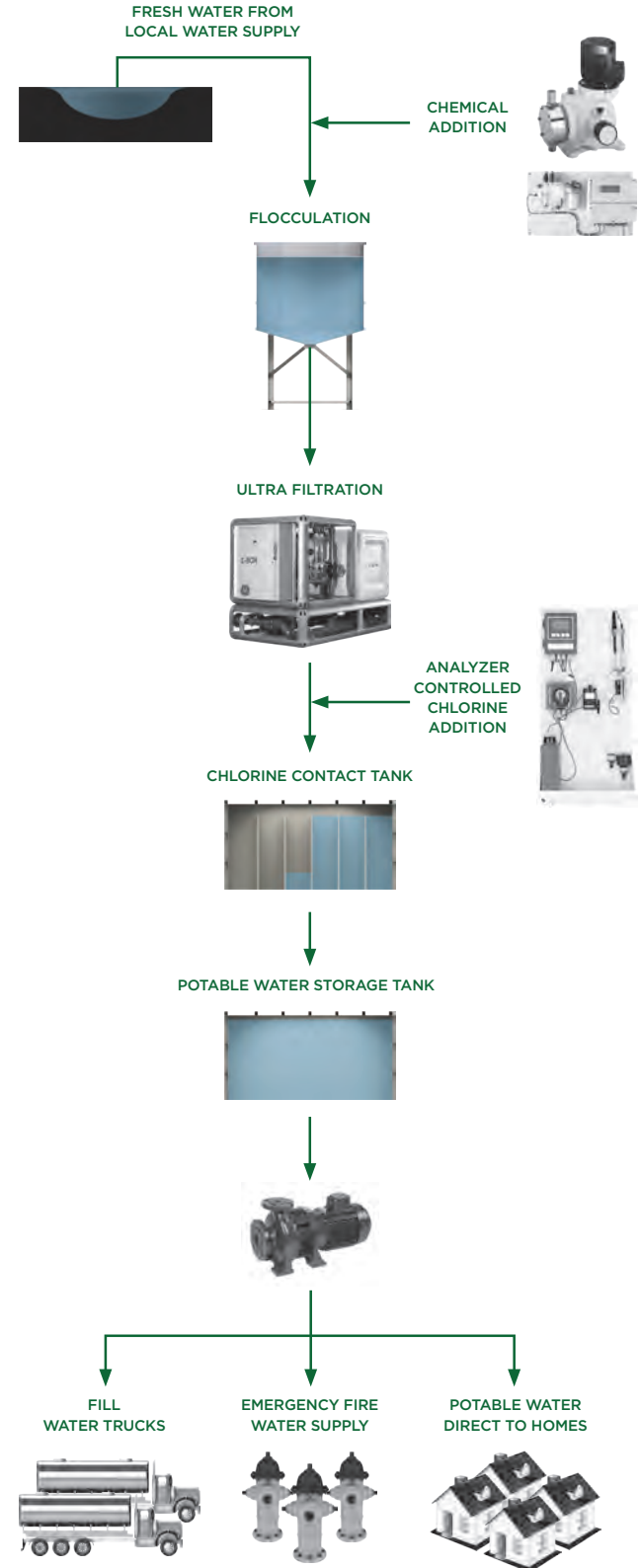
POTABLE WATER TREATMENT PLANTS FROM ONEC GROUP

When you choose ONEC Group, you're choosing reliable water treatment technology for community drinking water supplies. Our innovative approach has created standard water treatment products to deliver a safe, dependable and convenient supply of water for residential, commercial and industrial applications.

ONEC Group's water treatment buildings produce treated water that meets and exceeds the North American drinking water standards, so you always know it's safe to use.

OUR WATER TREATMENT PROCESS

1. Raw water is sent to flocculation. Chemicals are added during flocculation based on turbidity and other analysis.
2. Water is processed through an advanced filtration system to remove particulates, bacteria and viruses.
3. Chlorine is added and the water flows through baffles to ensure sufficient chemical contact time.
4. Potable water for distribution is maintained and circulated in the storage tank.
5. Water can be pumped into trucks or directly to homes via distribution piping systems. In cases of emergency, the water treatment plant can also pump to the community fire water systems.



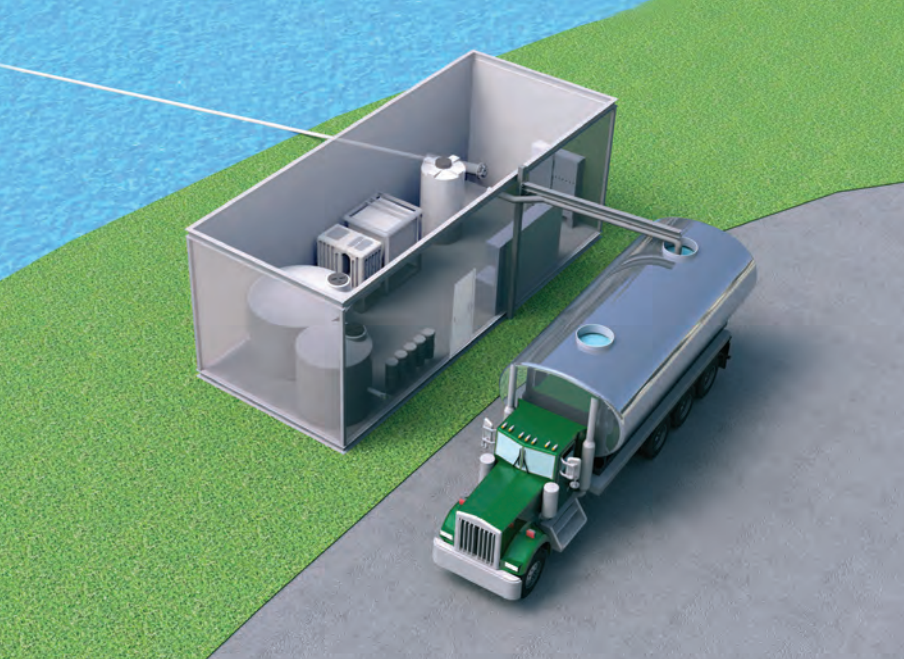


CUSTOMIZED MODULAR DESIGN FOR FAST AND EASY INSTALLATION AND RELOCATION

ONEC Group's fully self-contained water plants are preassembled and designed for easy shipment. Minimal site set up or assembly is required, and relocating the plant is simple. Once the plant has been removed from its location, no trace of the system is left behind—making our plants the ideal solution to the decentralized treatment of potable water for residential, commercial and industrial services.

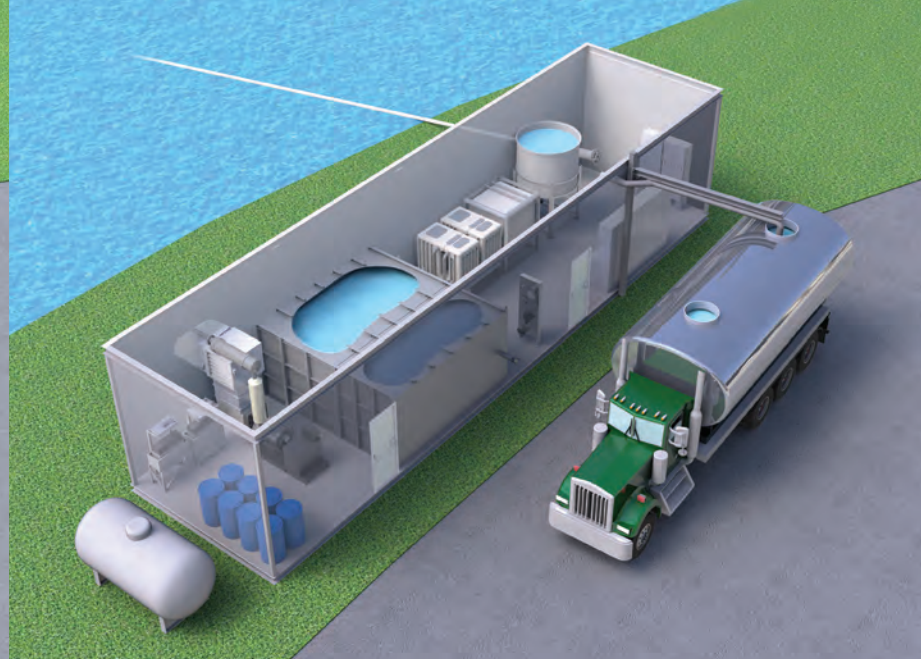
DESIGNED WITH THE CLIENT IN MIND

Our portable water treatment plants are designed and built to withstand even the harshest of climates. Each plant is rated for extreme cold temperatures, high winds and weather conditions such as heavy snowfall and rain. The plants can also be fully equipped with freeze protection to ensure continued water treatment service, and to preserve the integrity of the plants' piping and equipment.



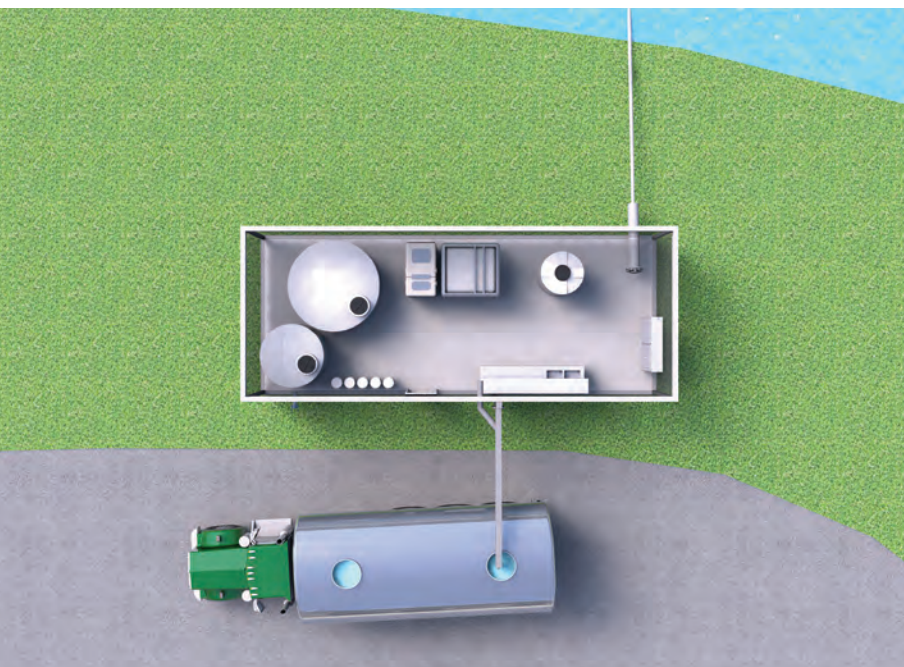
SINGLE-TRAIN PLANTS FOR SMALL COMMUNITIES

- Capable of delivering 100,000–300,000 liters of treated water per day
- Capable of storing 8,000 liters of treated water on module
- Less than 5% rejected water
- Low power consumption (< 25KW)
- Small installed site footprint



S12 DOUBLE-TRAIN PLANTS FOR MID-SIZE COMMUNITIES

- Capable of delivering 300,000–1,000,000 liters of treated water per day
- Capable of storing 35,000 liters of treated water on module
- Less than 5% rejected water
- Low power consumption (< 50KW)
- Redundant backup diesel generator during loss of electrical power



WATER TREATMENT PLANT
CUSTOMIZED OPTIONS

- Remote monitoring options (live system status can be displayed to a mobile phone or computer)
- SMS text control of the plant from a mobile phone
- Emergency power backup
- Water treatment analysis lab for more detailed water sample testing
- Overhead truck fill (1,000 L per min)
- Emergency fire water supplied directly to residential areas
- Turbidity analyzer controlled filtration cycles
- Modules are heated and ventilated to local codes
- Several energy source options available including solar

Analysis of conventional water treatment plant design versus ONEC Group's modular plant solutions:

	CONVENTIONAL DESIGN	ONEC GROUP MODULAR PLANT SOLUTIONS
Planning Time	Long	Short or Pre-engineered
Approval	Building permit very complex	Building permit very easy
Building Costs	High (built onsite)	Low (mostly shop built)
Assembly Time	High	Short
Commissioning and Testing	All onsite	Pre-tested prior to shipping
Changes	Expensive	Easily completed
Plant Relocation	Not possible	Built for moving





WATER TREATMENT PLANT INPUT FORM

For budgetary pricing, please fill in the following fields:

1. Desired Potable Water Production Rates (liters/day):

2. Available Raw Water Source:

3. Desired Location of Plant:

4. Storage Volume:

5. Desired Options:

- ☐ Backup Power
- ☐ Cellular Access for Controls
- ☐ Cellular Alarms
- ☐ Laboratory Desk and Sink
- ☐ Truck Load Connection and Arm



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