



# newterra™

We Return Water to  
Nature's High Standards

# The Foundations of Decentralized Treatment

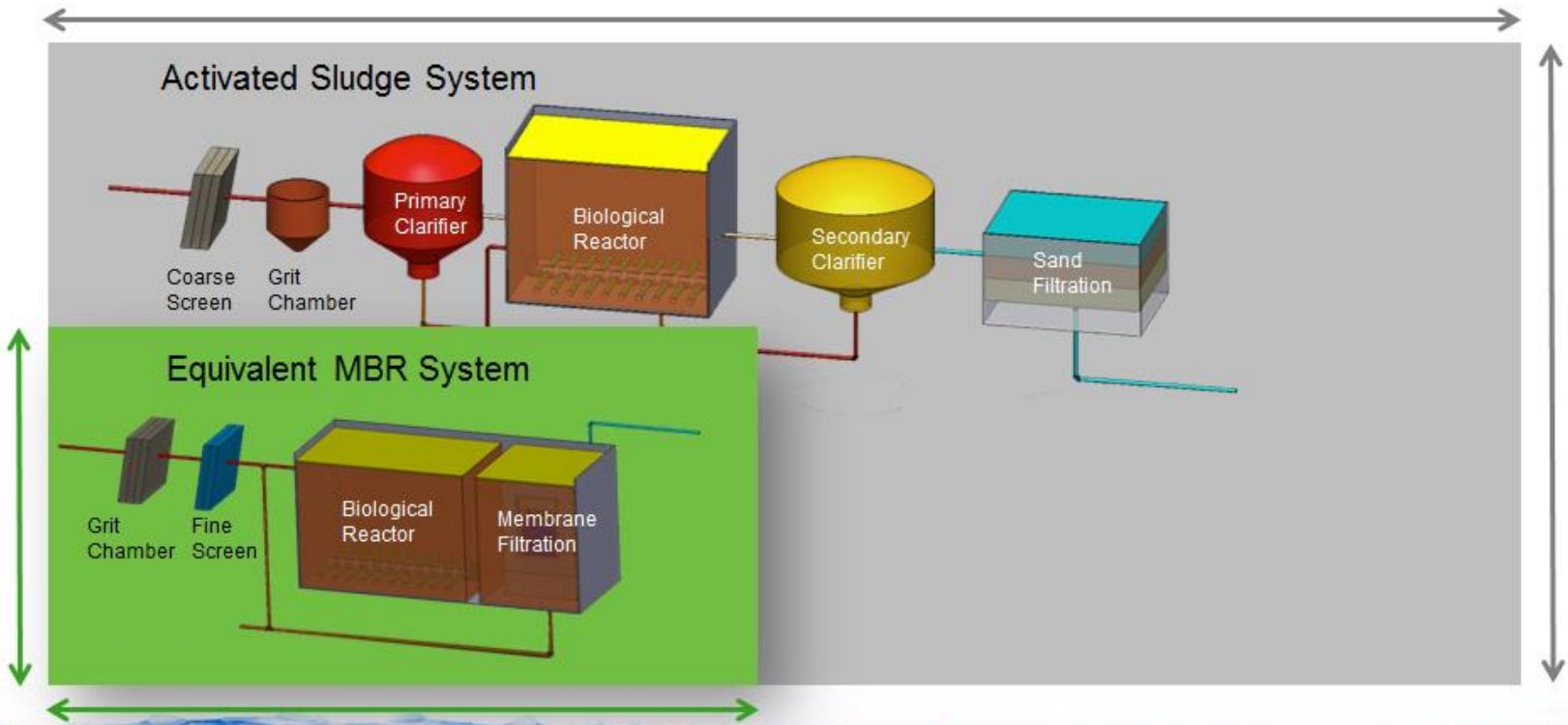
**1** Proven Treatment  
Technology

**2** Reuse Quality  
Permeate

**3** Modularity  
& Scalability

**4** Easy to  
Operate

# MBR Process vs. Conventional Technology



# 1. Proven Treatment Technology



# 1. Proven Treatment Technology



# Impressive Specs

## MicroClear Membranes by the Numbers

Dimensions: 21 Wx 42 D x 49 H (cm)

Weight: 11.5 kg; 25.3 lbs.

Active Plates: 23

Membrane Surface Area: 8.1 m<sup>2</sup>; 86.1 sq. ft.

Membrane Material: PES

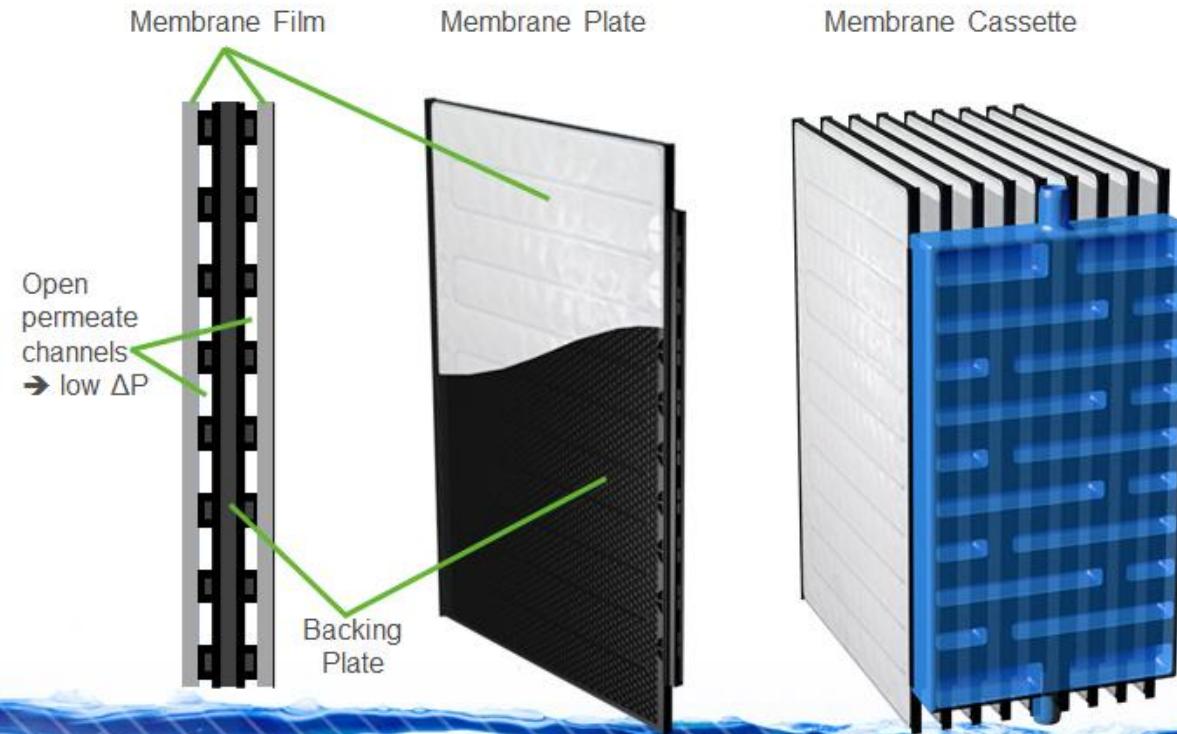
Filtration Pressure: 0.1 – 0.25 bar; 1.45 – 3.6 psi

Flux: 15 - 30 LMH; 8.8 – 29.4 gfd



ISO 9001:2008  
certified

## Membrane Support Ribs & Spacers



## 2. Reuse Quality Permeate

Meets & Exceeds Regulatory Requirements



Influent	Permeate
250	<b>BOD<sub>5</sub></b> <2.0 mg/L
300	<b>TSS</b> <1.0 mg/L
35	<b>NH<sub>3</sub>-N</b> <0.5 mg/L
10	<b>TP</b> <0.05 mg/L
TBD	<b>TN</b> <3.0 mg/L
-	<b>Turbidity</b> <0.5 NTU



### 3. Modularity & Scalability

Residential Development

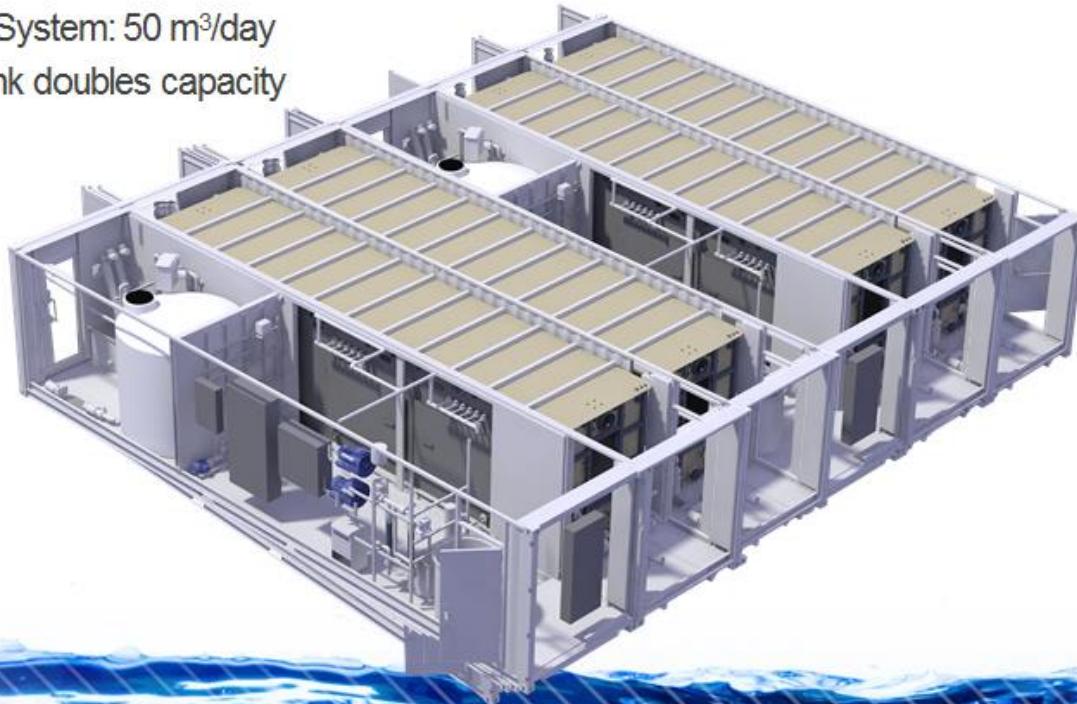


Treatment System

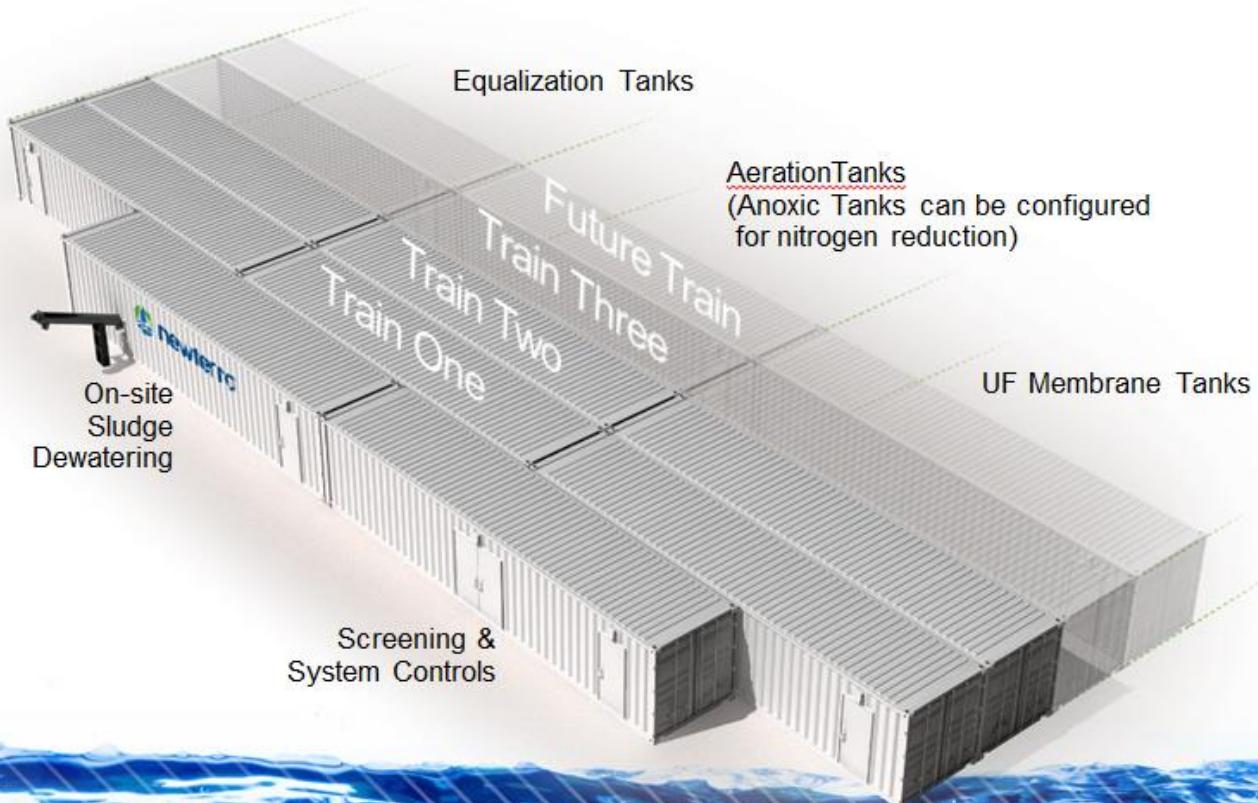
# Complete Containerized Systems

Modular & Designed for Scalability

- Base 2-Container System: 50 m<sup>3</sup>/day
- Adding second Tank doubles capacity



# Complete Containerized Systems



# Built for the Extremes

Developed & Proven in the Most Challenging Environments



### 3. Modularity & Scalability

- Packaged building blocks or full systems
- Factory-constructed
- Factory-tested
- Rapidly deployed
- Expandable
- Customizable



# 4. User-Friendly Technology

Easy Operation and Remote Monitoring & Control



# Thank You

Questions & Discussion

