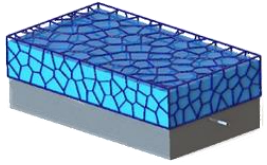
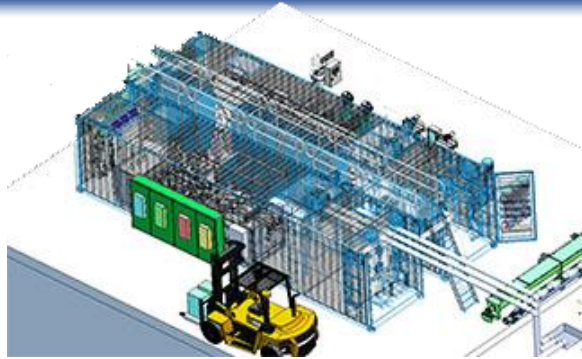




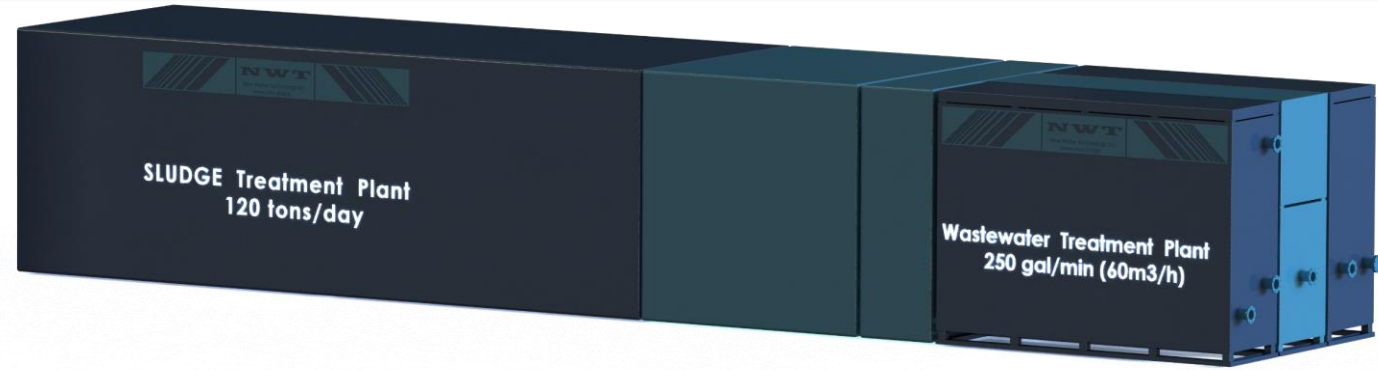
THE TOTAL SOLUTION IN WASTEWATER / SLUDGE TREATMENT



1-st WWT Mobile Plant -  
capacity of 50 gal/min



WWTP-050  
capacity of 200 gal/min



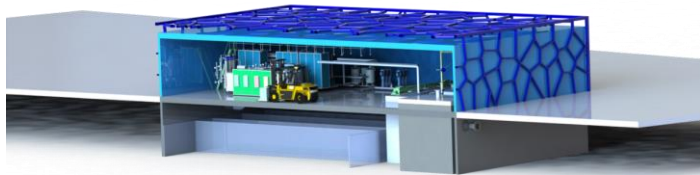
WWTP-060PS  
wastewater treatment = 250 gal/min  
sludge treatment = 120 tons/day

2006

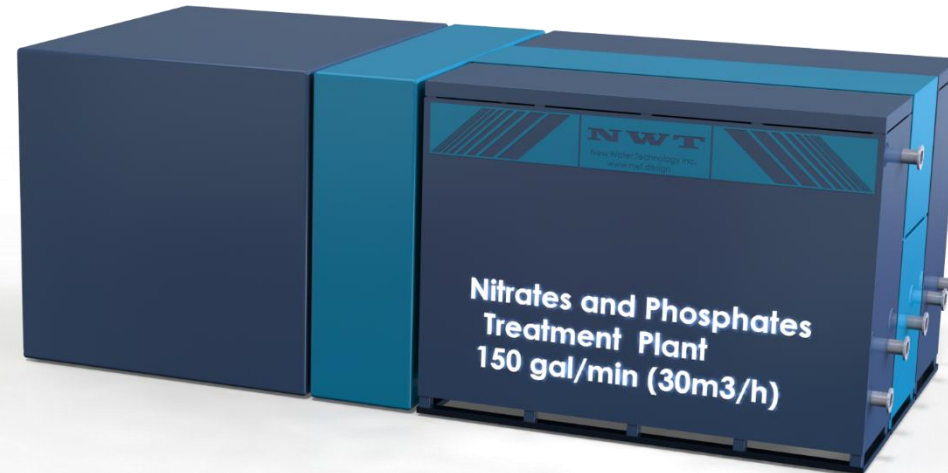


2021

WWTP-020  
capacity of 100 gal/min

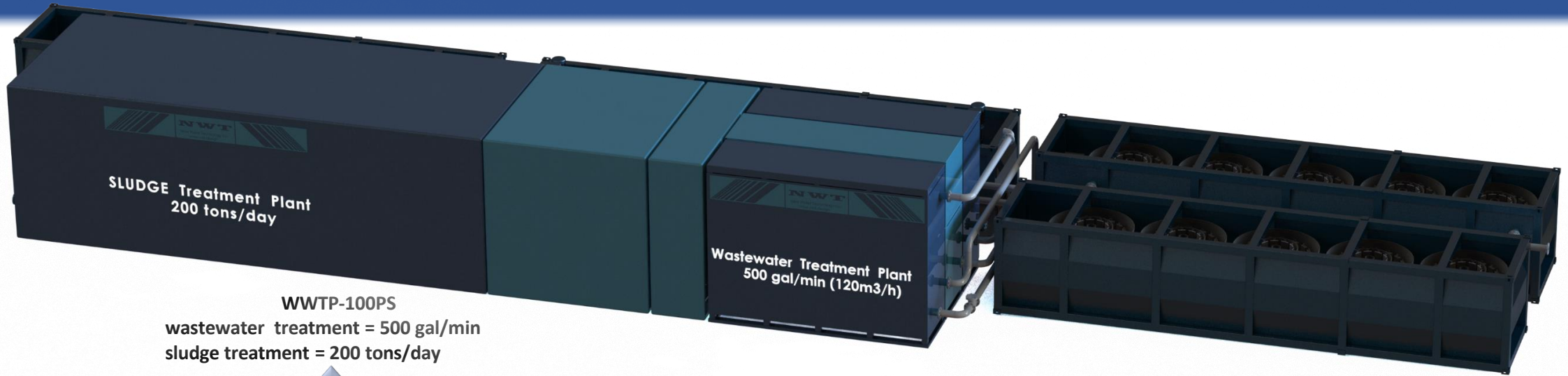


WWTP-030PS  
capacity of 150 gal/min



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# Milestones by 2023... and beyond



**WWTP-100PS**  
wastewater treatment = 500 gal/min  
sludge treatment = 200 tons/day

2020

2021

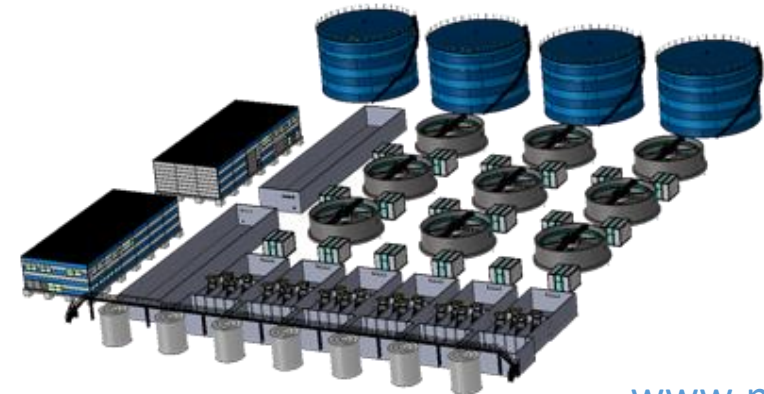
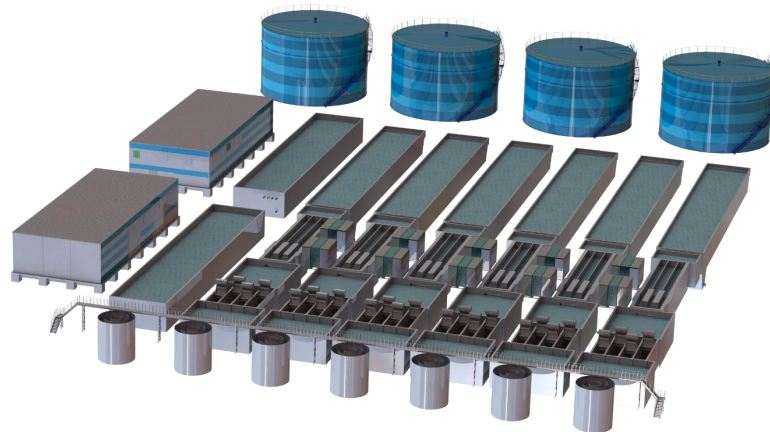
2023

2024

2025

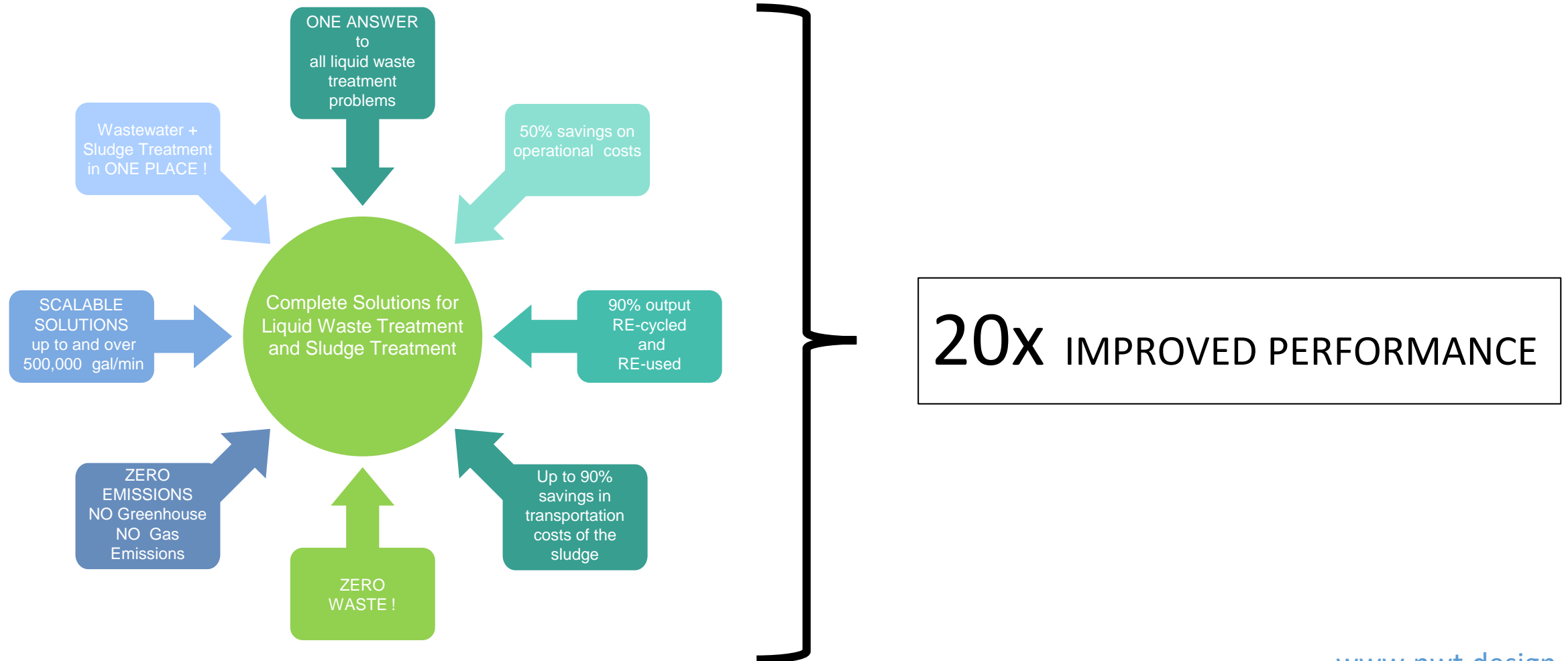
**WWTP-100kPS**  
wastewater treatment = 20,000 gal/min  
sludge treatment = 5,000 tons/day

**WWTP-150kPS**  
wastewater treatment = 30,000 gal/min  
sludge treatment = 8,000 tons/day

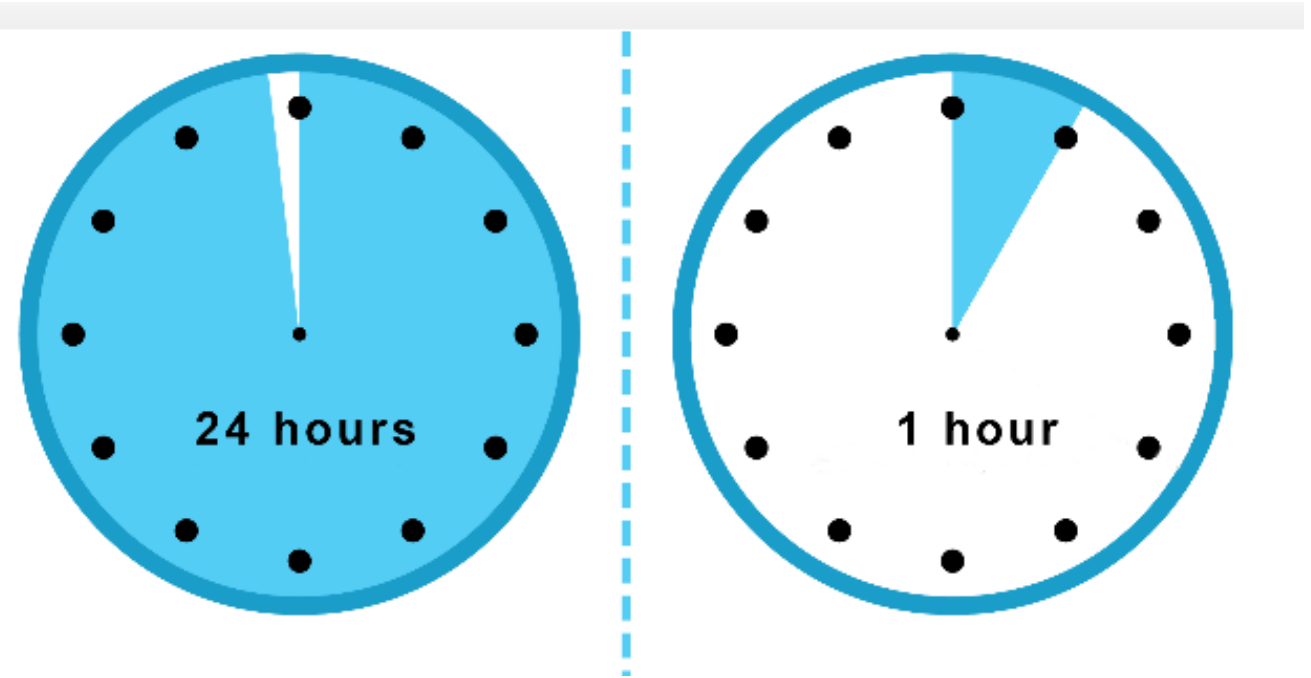
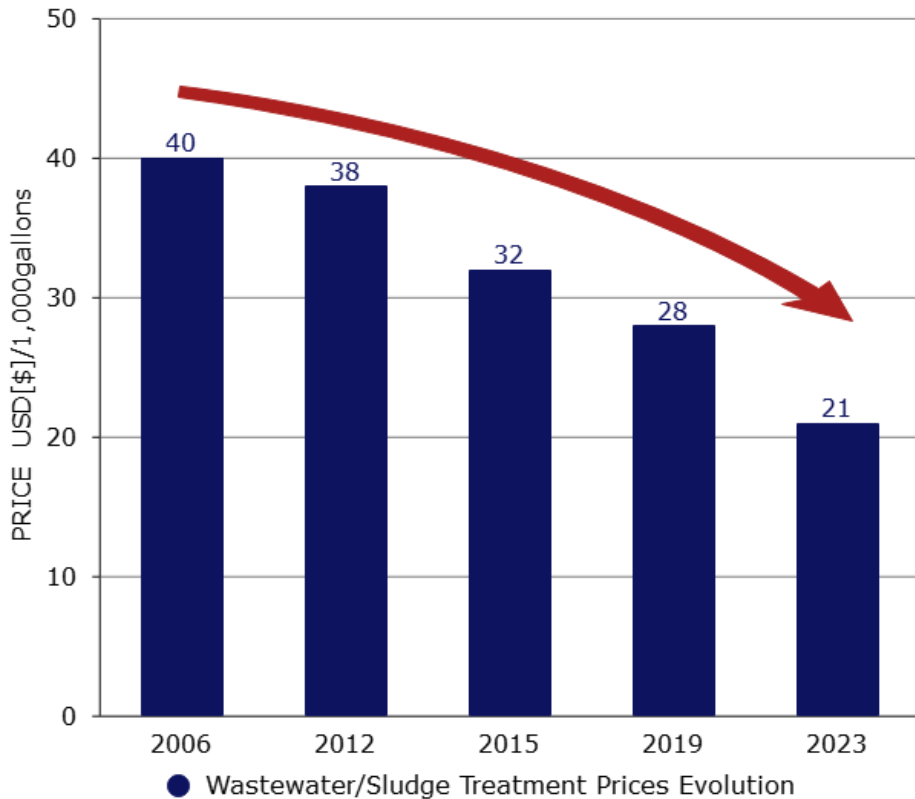


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## Complete Solutions for Liquid Waste Treatment and Sludge Treatment based on Nano-Technology, Nano Filtration and Smart materials (technology developed with granted funds from European Union in 2019).



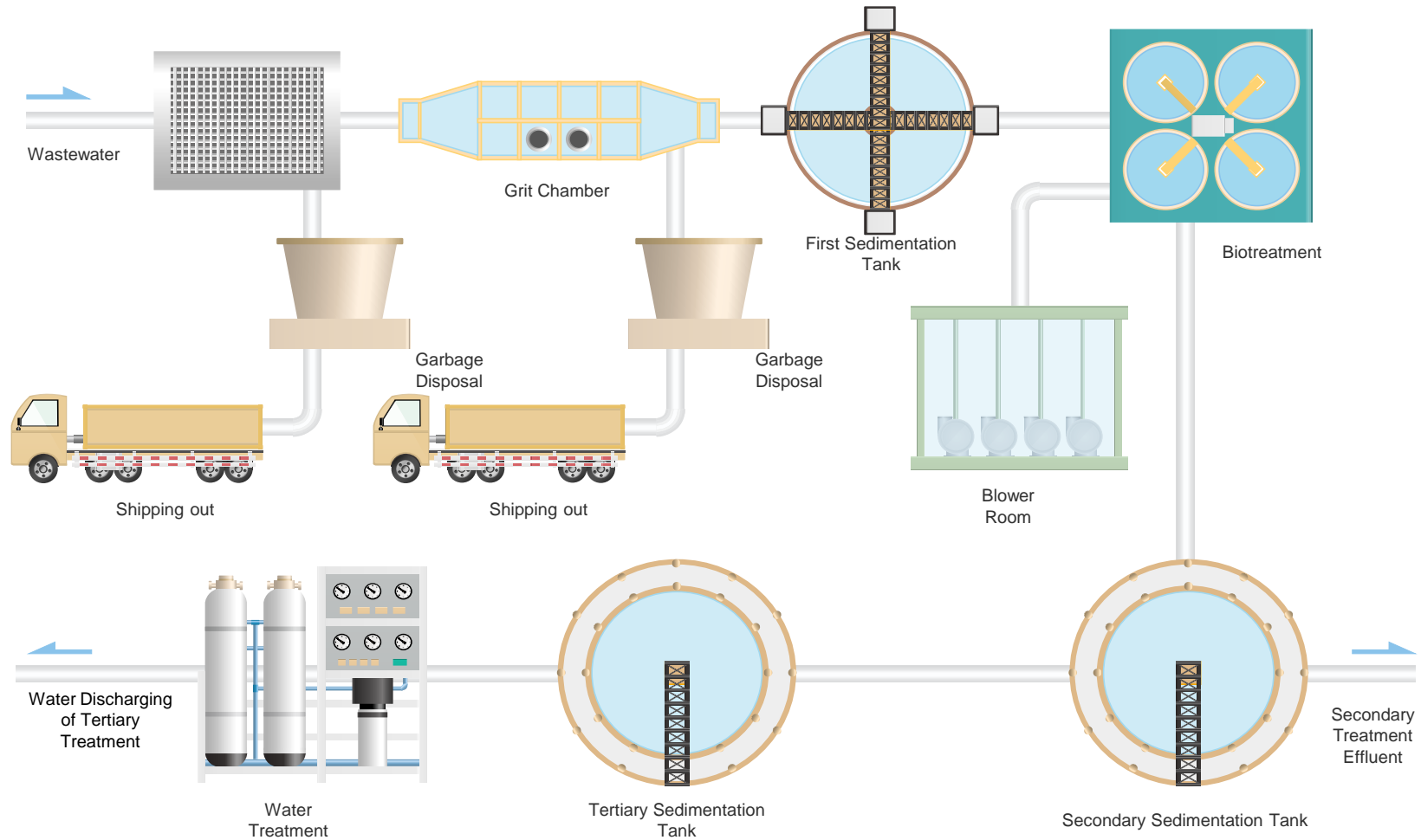
## Improved Prices 2023 – New Water Technology Inc. For Industrial Wastewater/Sludge Treatment USD[\$]/1,000gallons



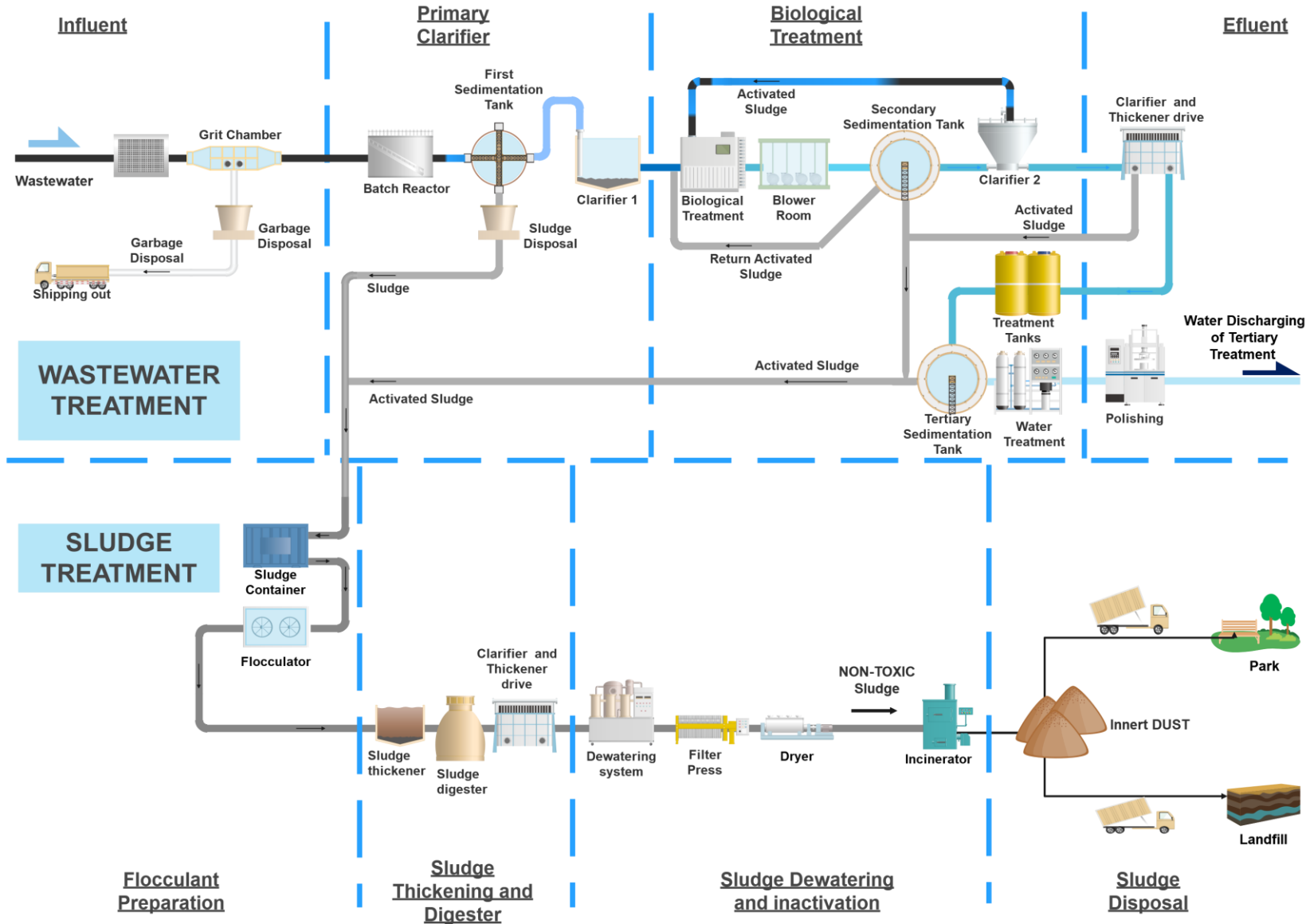
**PROCESSING TIME WITH  
THE CLASSIC TECHNOLOGY**

**New Water Technology Inc.  
SAVING PROCESSING TIME by 95%  
WITH THE NEW TECHNOLOGY**

## Traditional Wastewater Treatment Process



## Disruptive Technologies for Wastewater and Sludge Treatment



[www.nwt.design](http://www.nwt.design)

[www.nwt-tech.com](http://www.nwt-tech.com)

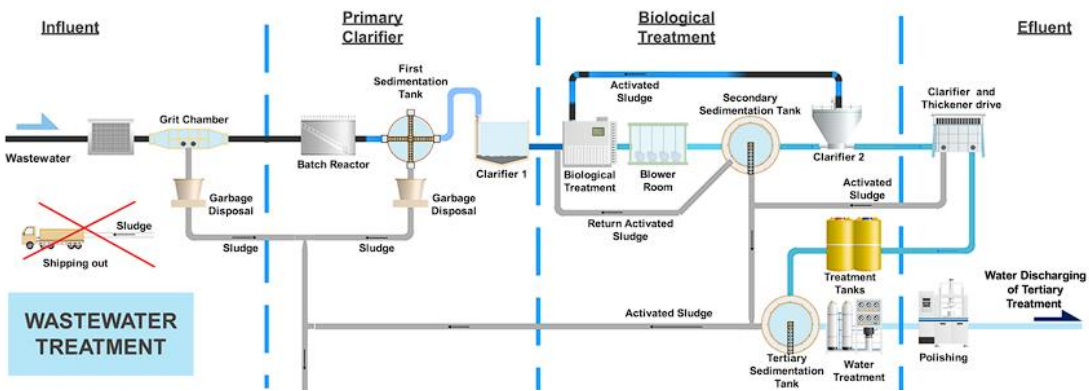
**Core technology:**

Liquid Waste Treatment Facilities

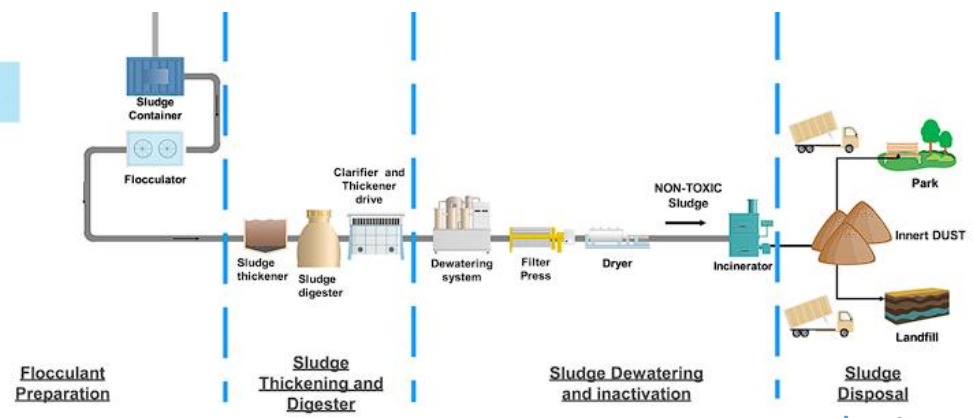
***Disruptive technologies and applied solutions for water and hazardous liquid-waste treatment\****

***\*Patented in E.U., North America and China***

Sludge Treatment Facilities

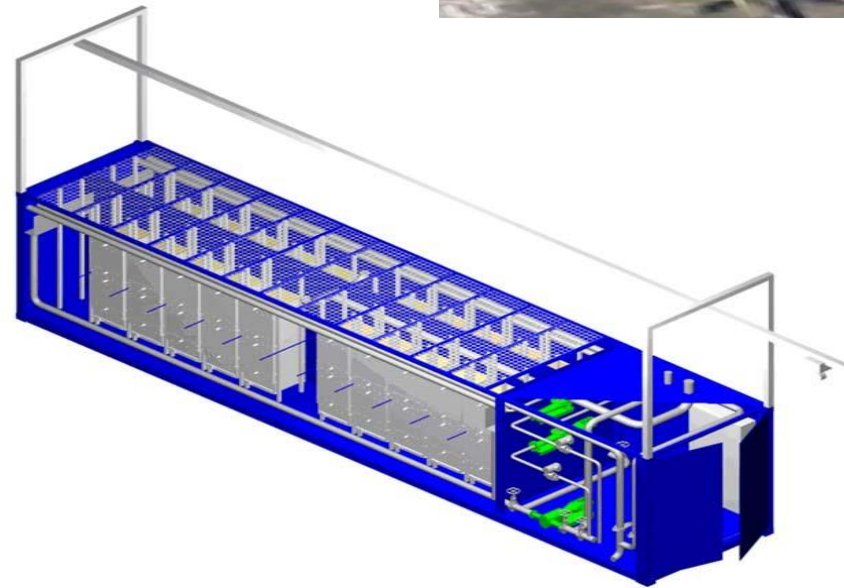
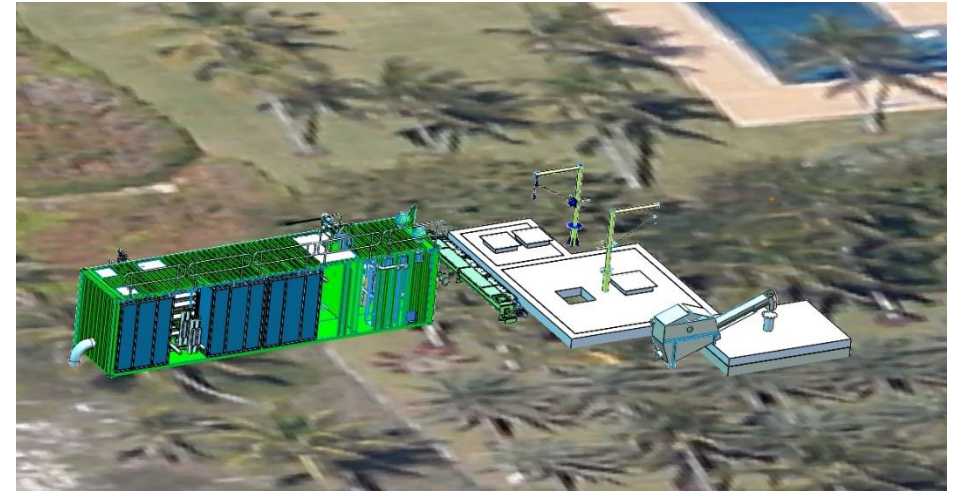
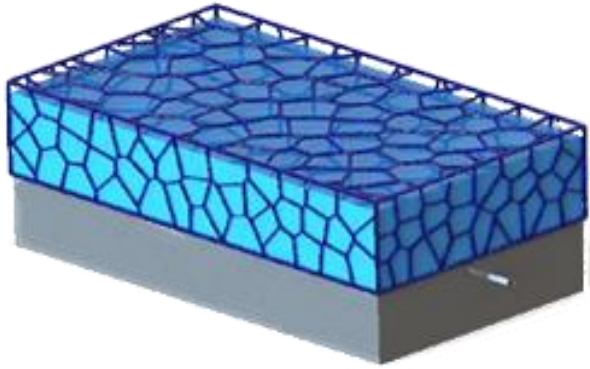


**SLUDGE TREATMENT**

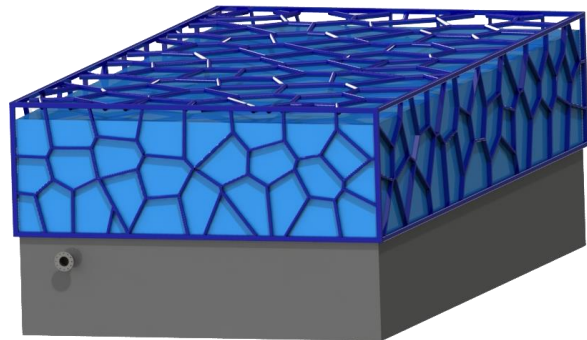
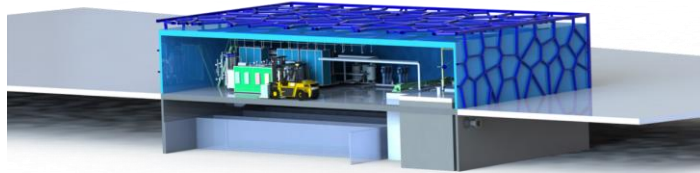


[www.nwt.design](http://www.nwt.design)

**1-st WWT Mobile Plant**  
capacity of 50 gal/min



**WWTP-020**  
capacity of 100 gal/min



We started in 2005 with small mobile units (10mc/h approx. 50 gal/min) to unlimited possibilities after 2019.

Naples, Florida, U.S.A.  
Beach Outfalls



We started in 2005 with small mobile units (10mc/h approx. 50 gal/min) be able to achieve full scalability in the upcoming years.



Arrangement possibilities of the Portable Wastewater Treatment Stations near Naples beach Outfalls

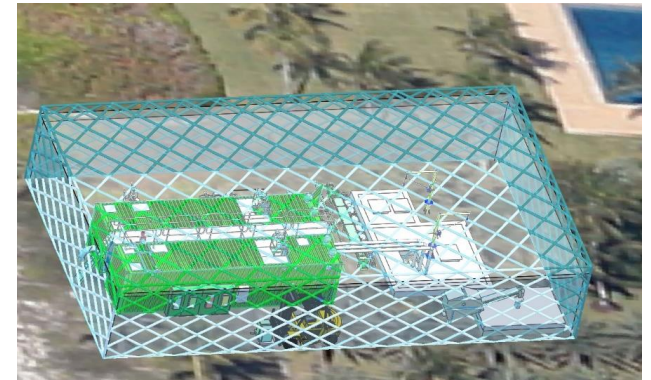
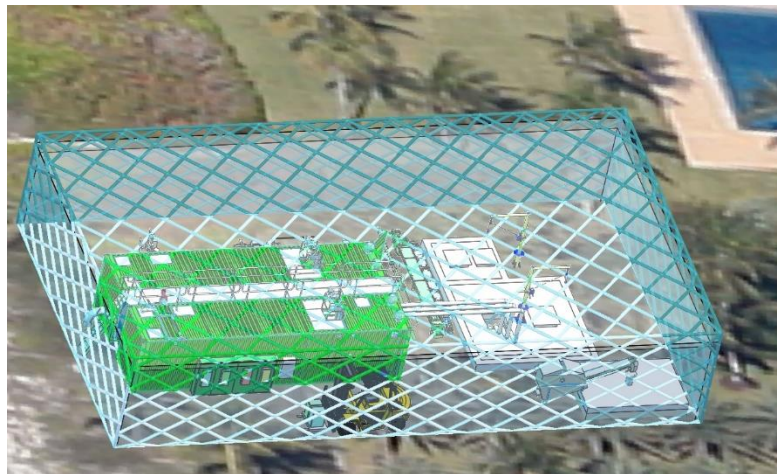
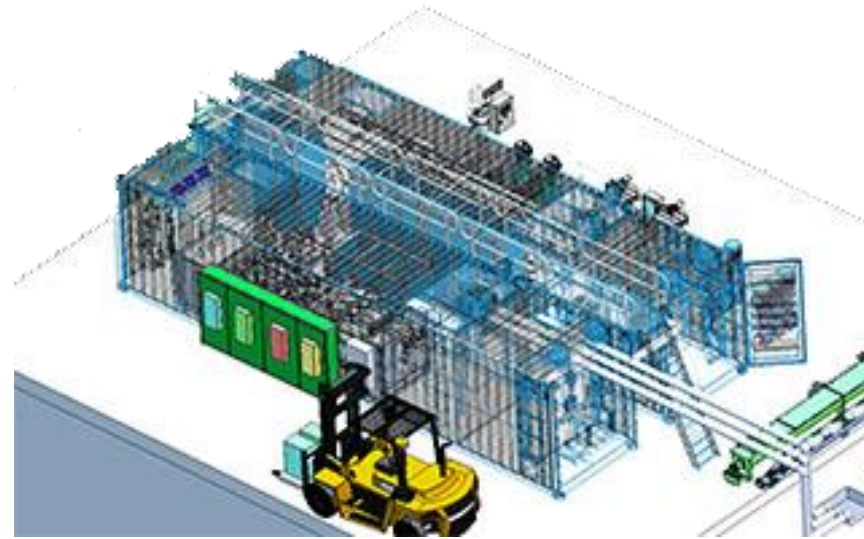
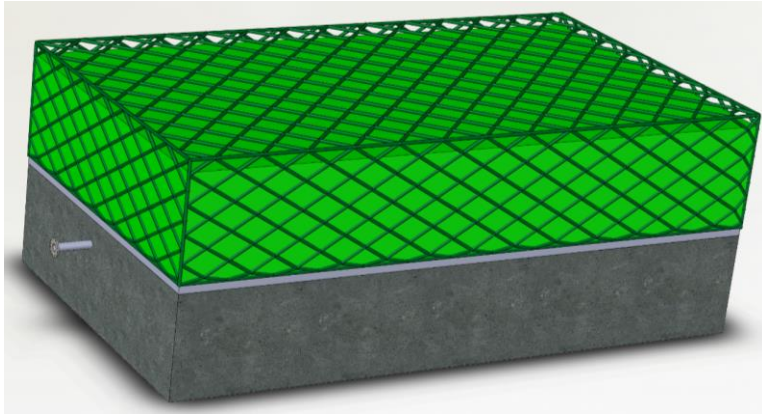


Figure 1-3. Typical Outfall Blockage (Outfall 9)

# SCALABLE TREATMENT PLATFORM

## WWTP-050

capacity of 200 gal/min

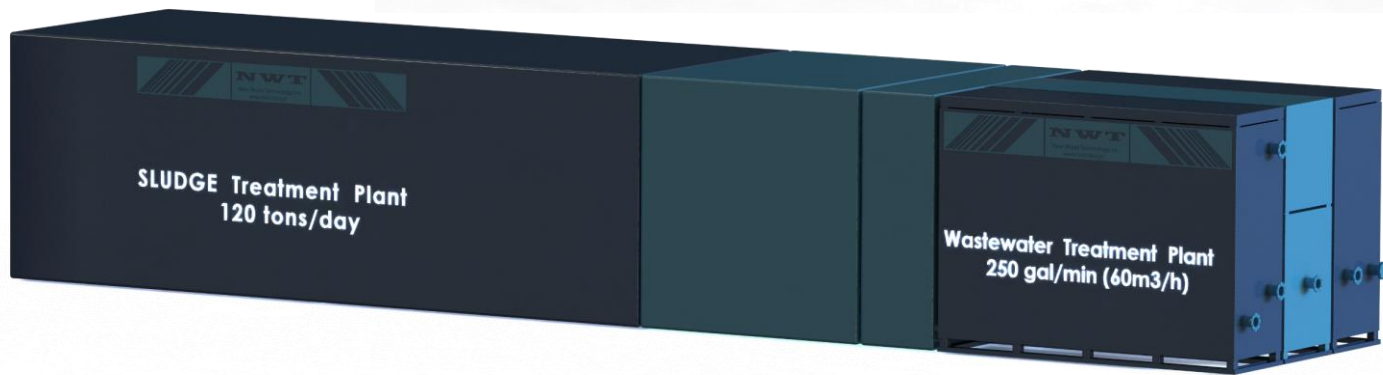


**WWTP-030PS**  
capacity of 150 gal/min

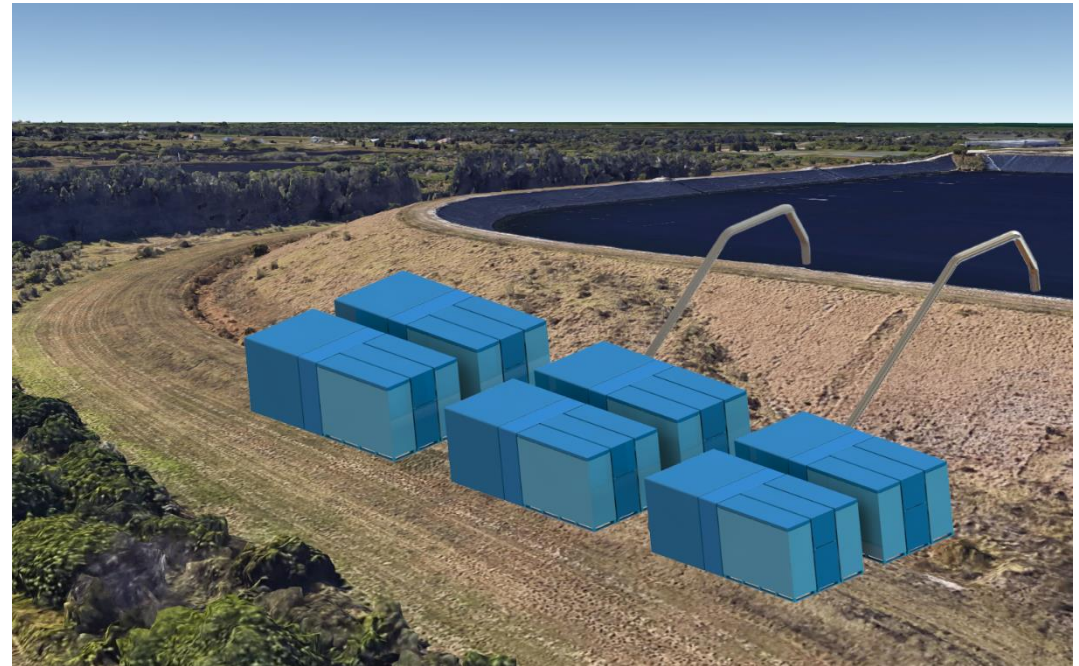


**Concept Design proposal for: Piney Point Reservoir, FL, U.S.A.**

- Capacity: 1,200 gal/min
- Built Area= 4,000sqf
- Reference E.U. Project
- Including disruptive technologies



**WWTP-060PS**  
wastewater treatment = 250 gal/min  
sludge treatment = 120 tons/day



## WWTP-060PS

wastewater treatment = 250 gal/min

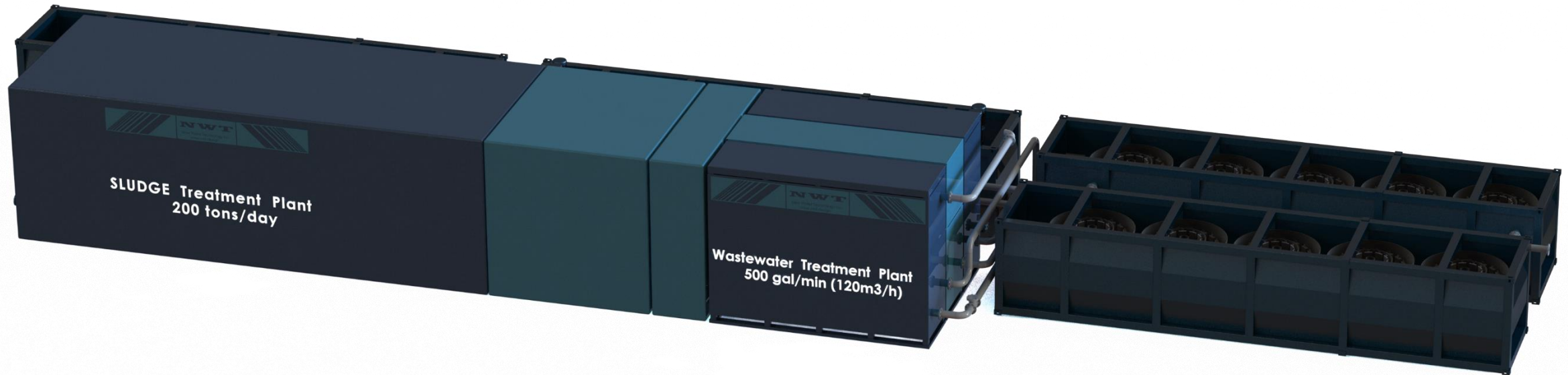
sludge treatment = 120 tons/day



## WWTP-100PS

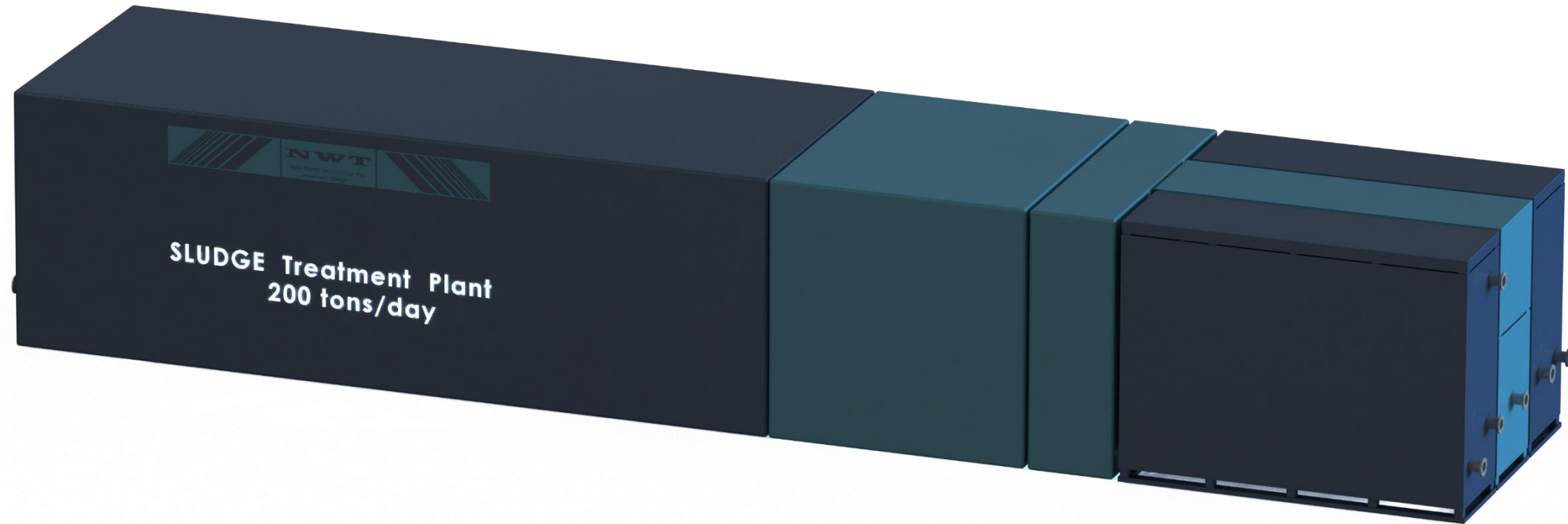
wastewater treatment = 500 gal/min

sludge treatment = 200 tons/day



## STP-200TD

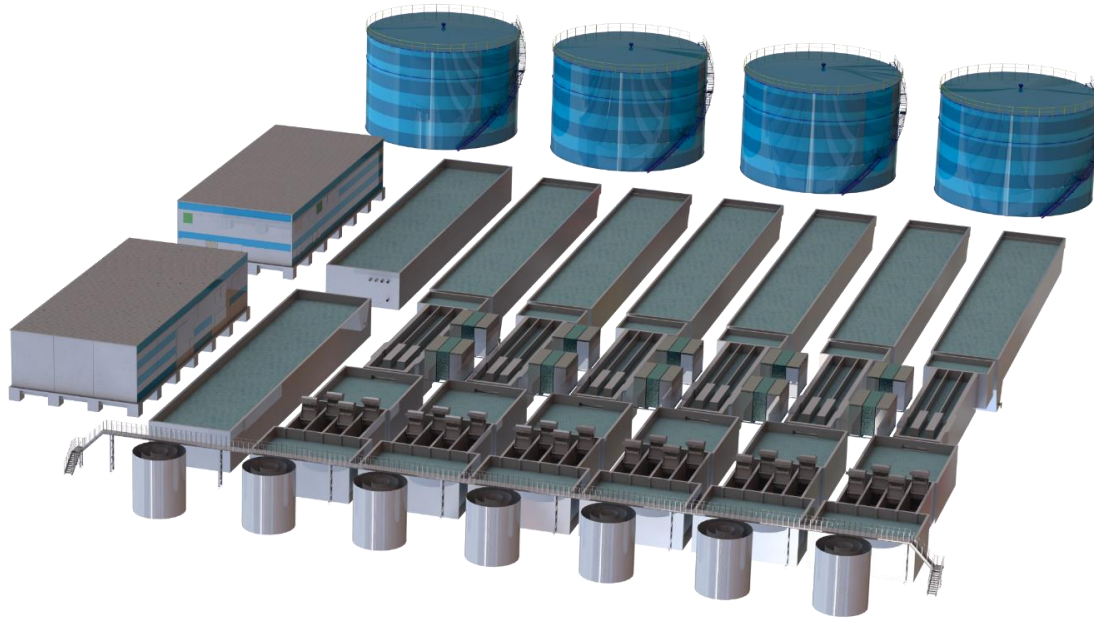
sludge treatment = 200 tons/day



## WWTP-100kPS

wastewater treatment = 20,000 gal/min

sludge treatment = 5,000 tons/day



## Concept Design proposal for:

### Northern Pulp – Nova Scotia - Canada

- Capacity: 20,000 gal/min
- Built Area= 250,000sqf
- Reference E.U. Project
- Including disruptive technologies

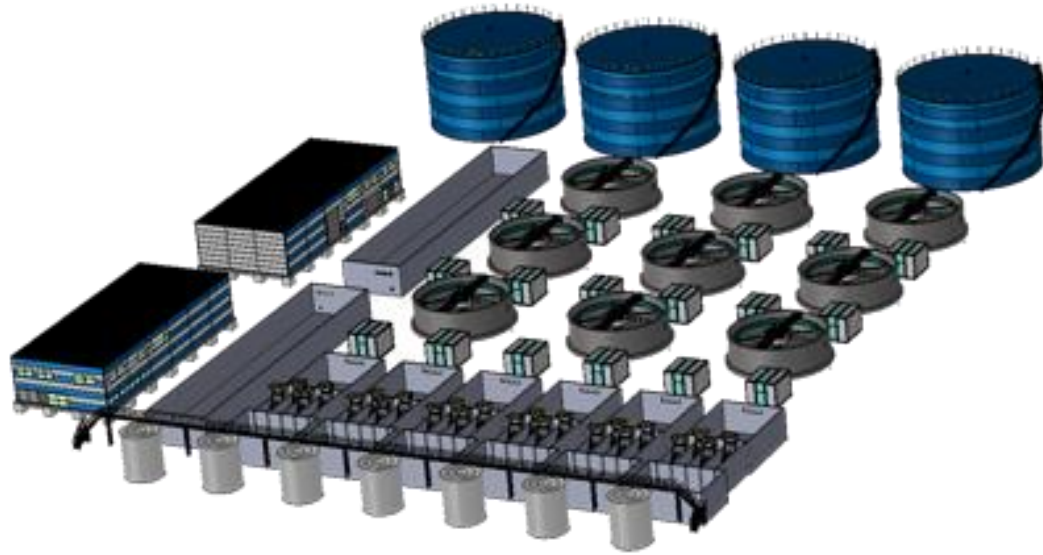


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## WWTP-150kPS

wastewater treatment = 30,000 gal/min

sludge treatment = 8,000 tons/day



## Concept Design proposal for:

### Northern Pulp – Nova Scotia - Canada

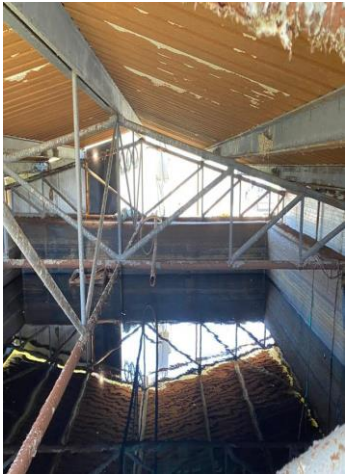
- Capacity: 30,000 gal/min
- Built Area= 330,000sqf
- Reference E.U. Project
- Including disruptive technologies



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The Wastewater Treatment Plant had a capacity of 150gal/min with a rate of success of **30%** (with No treatment of the sludge). The liquid waste contained heavy metals and high-risk pollutants coming from different industries. With our technology we were able to reach **100%** cleaning of the wastewater and sludge. Please see below pictures taken during a Test performed with our Treatment Station with a success rate of **100%**.

## Raw sewage feed



**Wastewater Treatment Plant facility near City of Iasi, Romania**  
**Capacity: 150 gal/min**



## Treated wastewater



## Plant Effluent



## Treated sludge



## Sludge disposal



The advanced smart materials used help a lot for the treatment process.  
Only a few simple smart steps are necessary throughout the entire treatment process.

## SLUDGE REACTOR BLOCK

Flocculation with admixes advanced smart materials and other chemicals

## SLUDGE Thickening and Digester

Mixing with Chemicals and Sludge degradation, capture and separation of contaminants

## SLUDGE INACTIVATION

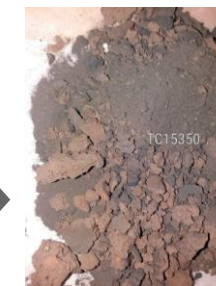
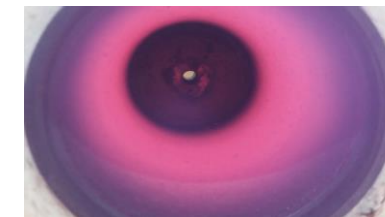
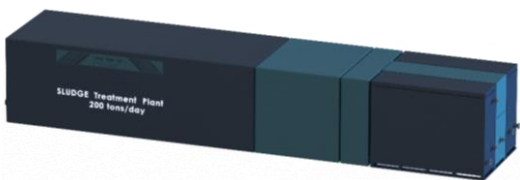
here the traces amounts of small flocs and residual micro-particles are easily removed

## SLUDGE DEWATERING

already thickened sludge collected from treatment, clarification and polishing is mechanically extra-dewatered

## INCINERATION AND DISPOSAL

sludge-waste is processed, then is mineralized by a last generation thermal treatment



The result it's a powdered mineralized substrate which is non-toxic and safe to be disposed on soil or to be stored as inert material. Substrate is enriched with minerals and organic carbon

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[www.nwt-tech.com](http://www.nwt-tech.com)

# Trials(scouting for solutions for different feed streams)

Year 2019, London, Wastewater Plant SW-London / Prototype Capacity= 15 gal/min, Built Area= 86sqf

## Schematic representation of the conducted Tests

### Prototype Unit - Test 1:

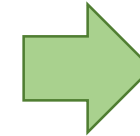
View of Reactor block Mixing tank



5 treatment stages



Raw sewage feed 1



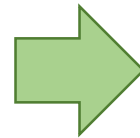
Filtration efficiency including safety factor

Treated wastewater 1



### Prototype Unit - Test 2:

View of Reactor block Mixing tank



5 treatment stages



Raw sewage feed 2



Filtration efficiency including safety factor

Treated wastewater 2



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# Our capabilities

## DESIGN & BUILD FACILITIES (standard or customized):

- **Liquid waste treatment categories:**
  - Sewage
  - Industrial & biohazards
  - Electroplating
  - Fracking
  - Leachate
  - Radioactive
- **Wastewater / Sludge treatment, inactivation and disposal**
  - Low cost
  - Fully compliant with Environment Regulations
  - No pollution generated during processing
  - No greenhouse emissions
- **Commissioning**
- **Service 24/7**

INNOVATION AND DEVELOPMENT IN EVERY PROJECT

## **New Water Technology Inc.**

**Main Office: 98 Cuttermill Road, #466, Great Neck,  
New York, NY11021, U.S.A.**

**Phone: +1 (646) 564-2638**  
**office@nwt-tech.com**

**U.K. Office: London, United Kingdom**

**Phone: +44 7448 000406**  
**office@nwt.design**

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