



# TAYA ECO SOLUTION

## TURN WASTEWATER INTO A COST-SAVING ASSET

Enhancing public health, sustainability and growth are no longer out of reach for decentralized and remote communities.

You can treat municipal wastewater efficiently, with affordable, “set and forget” biological solutions, that create water autonomy, and reduce sludge, labor and operational costs.

## A NEW ECOLOGICAL WAY TO MAKE A REAL IMPACT

- Utilize gravel-based passive aeration.
- Generate high-quality effluent with the lowest OPEX.
- Enjoy worry-free WWT - no need for long pipelines or water transportation to a centralized plant.
- Solar panels to further reduce energy consumption and eco impact - optional.

## AUTONOMOUS SET AND FORGET WASTEWATER TECHNOLOGY

TAYA ECO gives you the best of both worlds - the simplicity of extensive systems and the robust capabilities of intensive systems.

This hybrid platform lets you automatically and simultaneously fill and drain basin pairs with gravel. You benefit from near-zero sludge using bacteria starvation while cleaning gravel only once in 8-10 years.

Minimal mechanical equipment and one weekly visit - and you're all set, complete with demanding regulation compliance using our proprietary TAYA technology.

**60-80%**  
OPEX  
SAVINGS

**25%-40%**  
CAPEX  
SAVINGS

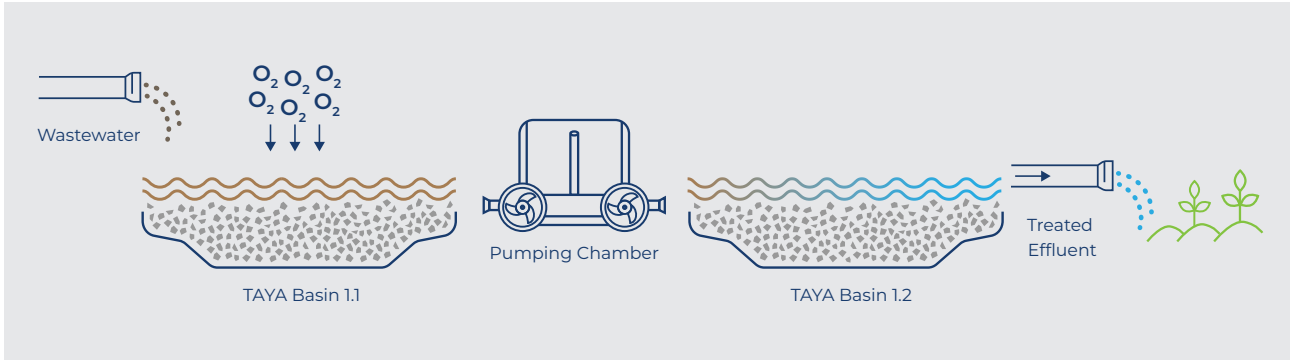
**80%**  
ENERGY  
SAVINGS

**100%**  
REGULATIONS  
COMPLIANCE

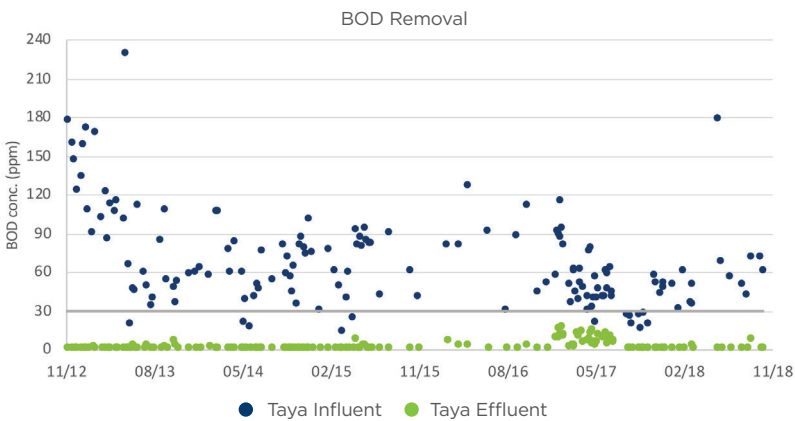
# SIMPLIFY WASTEWATER REUSE

## AN EFFICIENT BIOLOGICAL PROCESS

Simultaneous Nitrification and Denitrification in 1 Reactor



## CASE STUDY PERFORMANCE DIAGRAM



## KEY FEATURES

- Capacity up to 50,000 m<sup>3</sup>/day – packages of 50 and 100 m<sup>3</sup>/day
- Near zero sludge – cleaning only once in 8-10 years
- Minimal operation – once a week by a non-skilled operator
- Extremely low maintenance – minimal electro mechanical equipment, only 2 pumps

## TAYA ECO IN NUMBERS

TAYA vs. MBR Fixed OPEX	Daily Flow (m <sup>3</sup> /day)	TAYA Cost (\$/m <sup>3</sup> )	MBR Cost (\$/m <sup>3</sup> )
	1,000	0.03	0.21

## Driving Global Wastewater Innovation Autonomy

TRIPLE-T, a business unit of WFI, has been delivering affordable, sustainable biological wastewater treatment innovation for municipal applications across the world for the past decade. Whether you need engineering, construction, support, piloting, consulting or R&D services, or all of the above, our dedicated team of water experts is here to simplify wastewater reuse and provide everything you need to set your community for success.

LET'S CREATE MORE VALUE FROM WATER – TOGETHER

info@triple-t-water.com | +972-4-6209154 | wfi-water.com

**TRIPLET**  
by WFI Group