



# Metabolism Monitoring Station

Move beyond traditional  
water quality monitoring to  
continuous aquatic ecosystem  
health monitoring



## Understand how your aquatic ecosystem is functioning – not just what your sensors measure

- Quantify ecosystem health through continuous measurements of water quality
- The world's only operational ecosystem metabolism monitoring solution, developed and used by leading researchers and water professionals
- Science-based technology built on state-of-the-art ecosystem metabolism research
- Powered by WateriTech's leading process-based ecosystem metabolism model, enhanced with AI
- Combines robust optical oxygen sensors with advanced cloud data processing and analytics
- Designed for rivers, lakes, and estuaries
- Self-powered and seamlessly scalable – from a single station to nationwide monitoring networks

## Trusted science. Open by design.

- ✓ We believe transparency drives better environmental decisions.
- ✓ WateriTech openly communicates the science behind our ecosystem metabolism approach – so you can trust the data and use it with confidence.
- ✓ Learn more or order your station at [www.watertech.com/metabolism](http://www.watertech.com/metabolism)

## What you get

- Installation of Plug-and-play monitoring station with minimal maintenance
- Continuous, real-time data on:
  - Water temperature (range: 0-50°C, accuracy :  $\pm 0.5^{\circ}\text{C}$ )
  - Dissolved oxygen (range: 0-20 mg/L, accuracy:  $\pm 0.1$  mg/L)
  - Gross primary production (mg  $\text{O}_2/\text{m}^2/\text{day}$ )
  - Ecosystem respiration (mg  $\text{O}_2/\text{m}^2/\text{day}$ )
- Free data access and visualizations through the WaterWebTools cloud platform
- Open API for seamless integration of data in your own or 3<sup>rd</sup> party systems
- Annual status report by WateriTech, on the state and trends of the aquatic ecosystem (optional)

## Why choose WateriTech's Metabolism Monitoring Station?

- ✓ Easy, durable, and cost-effective
- ✓ Track ecosystem health and water quality continuously over time
- ✓ Detect improving or deteriorating environmental conditions through effect-based monitoring
- ✓ Support environmental permitting, compliance, and water resource management
- ✓ Recognized by the European Union's Innovation Radar and the USA Water Research Foundation as a remarkable innovative technology



## Getting started

- 1 Contact WateriTech at [www.watertech.com/metabolism](http://www.watertech.com/metabolism)
- 2 Receive a complimentary assessment of suitable monitoring locations
- 3 Order your station and activate your annual subscription
- 4 Your station is typically installed and delivering data within one month

