



# waterly

REAL TIME  
AI-POWERED  
WATER QUALITY  
MONITORING  
FOR INDUSTRY

## ABOUT US

Waterly provides a modern monitoring system for fresh and salt waters, based on measurement buoys, cloud technology and real time, AI powered data analysis.

## OUR MISSION

We strive to ensure that everyone has easy access to information about water quality, enabling its safe and responsible use. We protect water for people and nature by using modern technologies.

## CONTACT

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[waterly.eu](http://waterly.eu)

## PROBLEM

Industrial plants that use water in technological processes and discharge it back into the environment face increasing regulatory pressure and environmental risk. Exceeding water quality standards may result in high fines, loss of reputation and a real threat to local ecosystems, while traditional monitoring does not allow for a quick response to changes.

## CASE STUDY

### PRECISE CONTROL OF SALT WATER DISCHARGES INTO THE ODRA RIVER

An industrial facility where water is used in technological processes and returns to the environment as wastewater with elevated salinity:

- Installation of two measurement points, before and after the discharge point,
- Continuous monitoring of water parameters on both sides of the discharge,
- If water salinity changes, the system immediately triggers an alarm,
- Integration with the operator's master system controlling the "discharge valve".

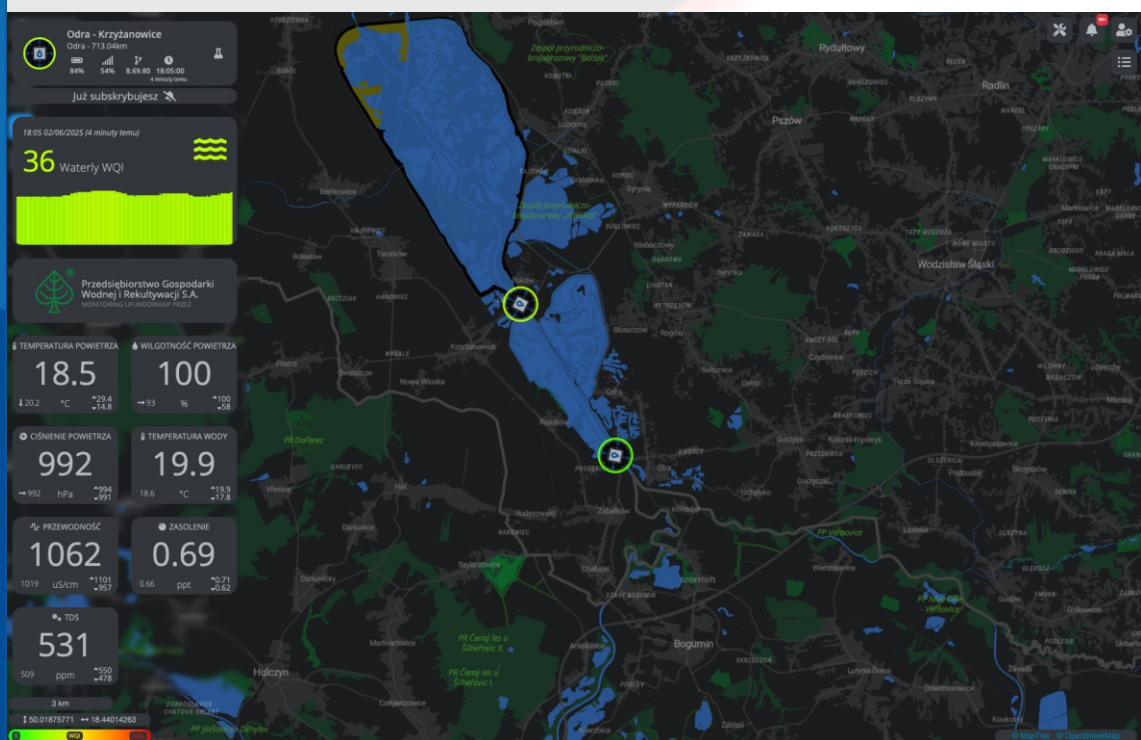
## SOLUTION

Waterly is an autonomous water quality monitoring system based on measurement buoys, a cloud platform and an analytical application:

- Measurement of up to 30 key water parameters (including salinity, conductivity, pH, temperature, turbidity, dissolved oxygen, carbon dioxide, ammonium ion, nitrates, chlorine, calcium, total organic carbon, biochemical oxygen demand (BOD), chemical oxygen demand (COD), oil derived substances in water, water column height – volume of water in the reservoir – and flow rate) in real time, as often as every 5 minutes,
- Immediate alerts in case of exceedances and anomalies,
- Remote access to data and reports via web browser or dedicated application,
- Possibility of integration with the company's master system and automation of control over the client's equipment,
- Full autonomy – buoys operate all year round, regardless of weather or season, without the need for frequent maintenance.



Waterly measuring point at Odra River



Visualization of measurement points in the Waterly application

## BENEFITS

- Compliance with environmental standards and elimination of the risk of exceeding permissible water quality limits
- Minimisation of the risk of environmental contamination and costly administrative fines and compensation claims
- Complete audit trail and robust data for reporting, environmental audits and ESG disclosures
- Capability for immediate operational response, such as suspending discharges and adjusting technological processes in real time
- Reduction of monitoring costs by up to 75 percent compared to traditional laboratory methods
- Measurement frequency up to 26,000 times higher
- Building competitive advantage through transparency and proactive management of environmental impact
- Higher level of digitisation of environmental processes (Industry 4.0, Smart Factory)
- Tangible impact on the protection of aquatic ecosystems

SCAN THIS QR AND CHECK  
WHAT DATA SUPPLY

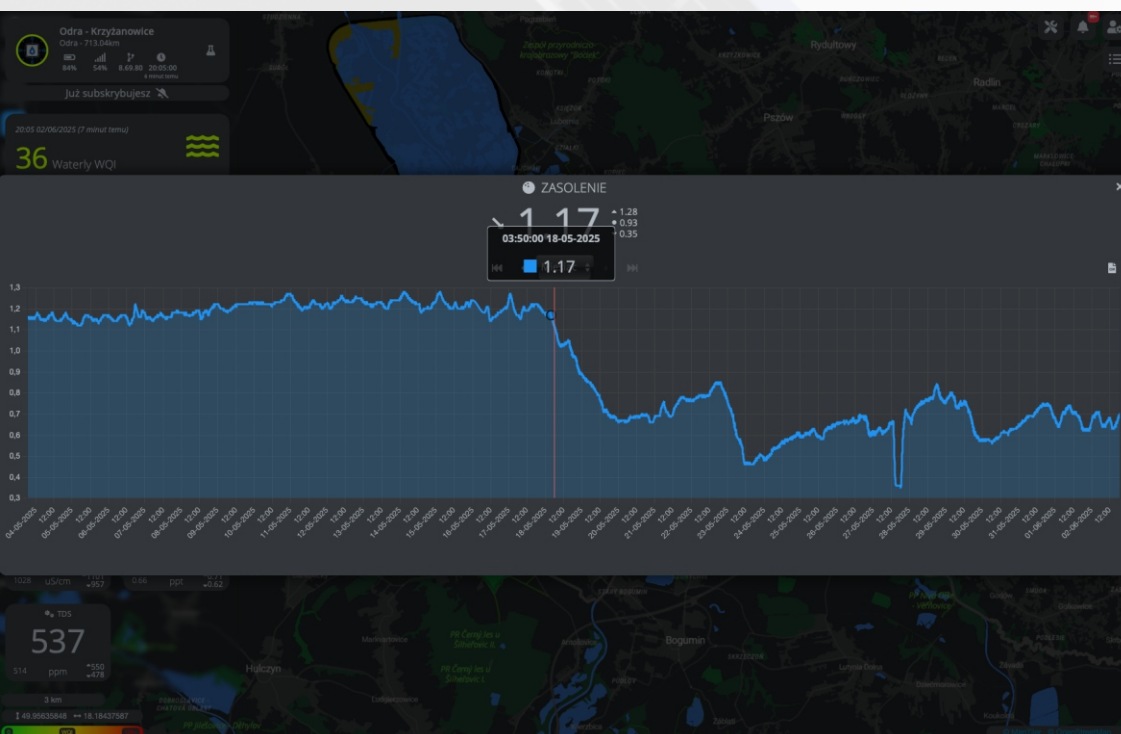


OUR SOLUTION  
IN THIS CASE STUDY



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## REAL TIME AI-POWERED WATER QUALITY MONITORING FOR INDUSTRY



Salinity profile at the measurement point "downstream of the discharge". The chart highlights the moment of reaction when the "discharge valve" is closed

## COMPARISON OF SOLUTIONS

FEATURE	TRADITIONAL METHOD	WATERLY
MEASURE FREQUENCY	ONE PER MONTH	EVEN 5 MINUTES
COST	49000 USD	FROM 690 USD/MONTH
REACTION TIME	A FEW DAYS	IMMEDIATELY
ACCESS TO DATA	AFTER LAB ANALYSIS	ONLINE, REAL-TIME
HUMAN INTERVENTION REQUIRED	FOR EACH MEASUREMENT	ONCE A YEAR
INTEGRATION WITH COMPANY SYSTEM	MANUAL DATA ENTRY	FULL AND EASY INTEGRATION
USER-FRIENDLY DATA PRESENTATION	ON REQUEST	YES
REQUIRES SPECIALIST KNOWLEDGE	YES	NO

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Want to see how Waterly can optimise monitoring in your facility?  
Book a demo or order a trial period!

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