WaterMatica

EVERY DROP. IN SIGHT.

Sensor to Cloud.

Connected water infrastructure. Clear operational insight.

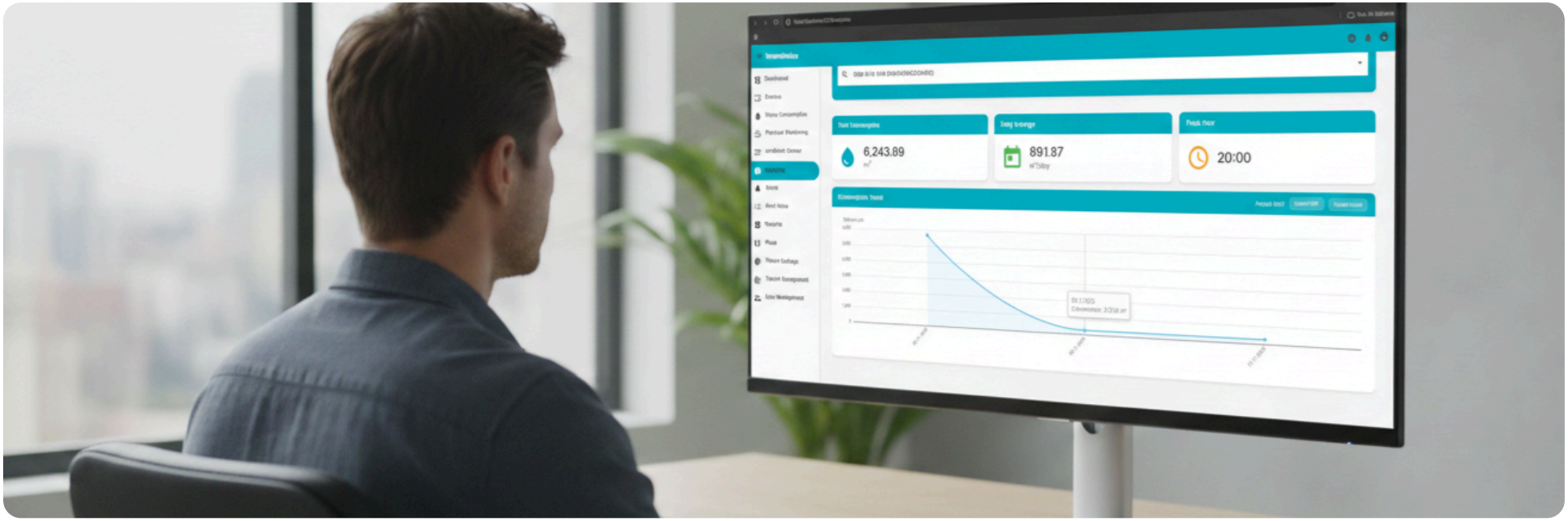
Water Utilities · Industrial Water · Smart Agriculture · Infrastructure Security

EXPLORE WATERMATICA



One connected water ecosystem.

Born from BVK Technology's engineering heritage, WaterMatica connects field hardware, data communication and software to help teams understand and manage water infrastructure.



SENSE

Capture levels, pressure, consumption and infrastructure events.

CONNECT

Bring field data into a shared monitoring environment.

UNDERSTAND

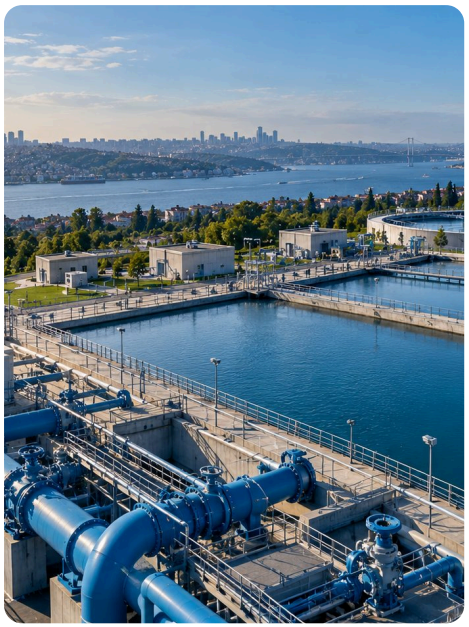
Review dashboards, alarms and operational reports.

ACT

Use timely information to guide inspection and intervention.

Intelligence where water matters.

EXPLORE SOLUTIONS →



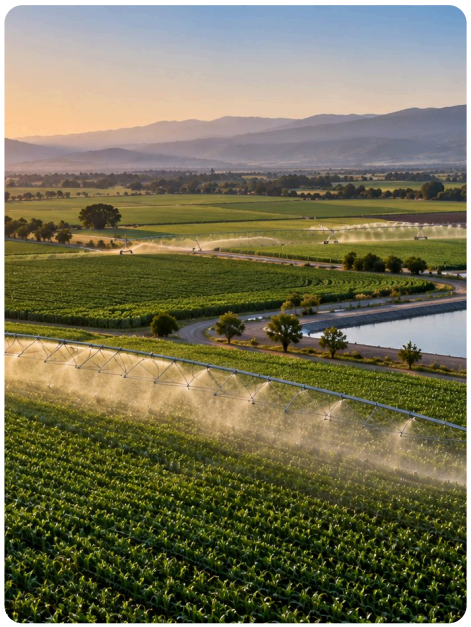
Water Utilities

Monitor pressure and consumption. Support leak investigation, district metering and water-loss reduction.



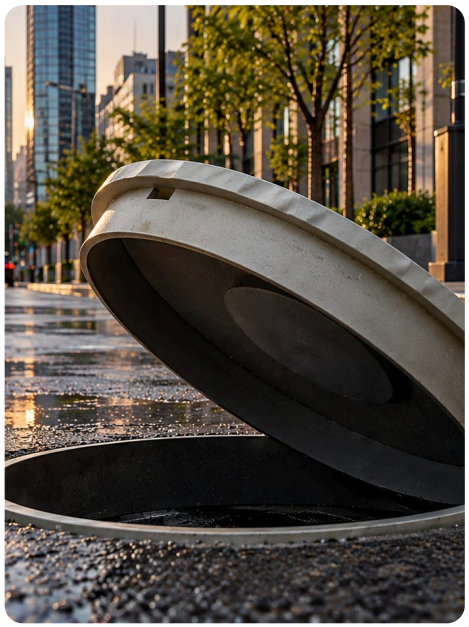
Industrial Water

Track process water, tank levels and pump performance to identify operational inefficiencies.



Smart Agriculture

Monitor wells, reservoirs and soil conditions to support better irrigation decisions.



Infrastructure Security

Detect cover opening and tampering. Monitor wastewater levels and critical infrastructure events.

Hardware built for the field.

LEVEL & ENVIRONMENT

mmRadar™

mmRadar™ Level Sensor (79GHz)

79 GHz millimetre-wave radar measures level to 1 mm through foam, vapour and temperature change, from 0.15 m to 15 m.



SLM Smart Level Monitoring Device

Hydrostatic level sensing for wells, reservoirs and containment facilities, 0–10 m range in an IP68 housing.



STM Smart Temperature Monitoring Device

Continuous temperature acquisition for indoor, outdoor and underground environments with a cable sensor up to 50 m.



SWM Smart Water Quality Monitoring Device

Real-time temperature, pH, dissolved oxygen, ORP and conductivity for lakes, rivers, reservoirs and coastal zones.



SSM Smart Soil Moisture Monitoring Device

Three-point soil moisture with EC, pH and temperature to support better irrigation decisions.

Hardware built for the field.

PRESSURE, FLOW & DATA ACQUISITION



SHM

Smart Hydrant Master

A standard-looking fire hydrant that monitors network pressure, flow and water use as a direct replacement.



SQP

Smart Quick Pressure Device

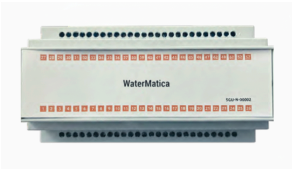
Rapidly deployable 0–20 bar pressure monitoring with Hawle ZAK fitting compatibility.



SPM

Smart Pressure Monitoring Device

Dual pressure measurement and pulse inputs for underground chambers, pumping facilities and network junctions.



SGU

Smart General Use IoT Device

Rugged data acquisition with analog, digital and Modbus interfaces for wells, storage tanks and treatment sites.



SCQ

Smart Compact Quantity Monitoring Device

Compact IP68 data logger that reads and transmits consumption data from Diehl water meters.

Hardware built for the field.

METERING, WASTEWATER & SECURITY



SQM

Smart Water Quantity Monitoring Device

Captures and transmits flow-meter pulse readings from IP67/IP68-rated underground installations.



DSM

Digital Signal Multiplier Device

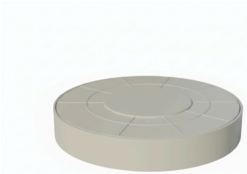
Sends one incoming pulse signal to two independent systems without changing existing infrastructure.



SVM

Smart Vacuum System Monitoring Device

Continuous vacuum monitoring from −1 to 0 bar with error notifications for vacuum sewer systems.



SMC

Smart Manhole Cover

Replaces the standard lock to detect lifting, vibration and tampering, raising an instant NB-IoT alarm.

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DEVICES.
ONE PLATFORM.

Connectivity and installation options depend on the selected device and application.

VIEW THE PRODUCT PORTFOLIO →

Make underground infrastructure visible.

WaterMatica's current end-to-end wastewater service connects Smart Manhole Cover hardware with data collection, monitoring, alarms and reporting.

- Water-level and sudden-change monitoring
- Critical-threshold alerts for flood and backflow risks
- Cover-opening and tampering detection
- Location-based status, event records and periodic reports

FROM A HIDDEN ASSET TO AN ACTIONABLE ALERT.



Start with visibility. Build toward intelligence.

A sensor-agnostic architecture brings WaterMatica and compatible third-party devices into a shared data environment.

01

Monitor

Data collection, dashboards, basic alarms and reports.

02

Measure

Phased KPI tracking and advanced reporting.

03

Anticipate

Phased anomaly detection, forecasting and risk analysis.

04

Optimise

Longer-term AI-assisted recommendations and optimisation.

Cloud or on-premises, configured around your integration and data requirements.

Advanced capabilities are introduced in phases; availability is agreed for each deployment.

EXPLORE THE PLATFORM →

Practical applications. Measurable priorities.

HUNGARY

Zalavíz Zrt.

Smart Hydrant Masters supported network pressure optimisation and the detection of unauthorised water use.

HUNGARY

TRV Zrt.

SGU gateways and Smart Hydrant Masters helped establish a Digital District Metered Area with hydraulic visibility.

OPERATIONS

Sewage Pump Monitoring

Power-consumption and runtime data supported maintenance planning and pump-performance assessment.

Examples reported on WaterMatica's case-studies page. Results depend on the site and deployment scope.

READ THE CASE STUDIES →

WaterMatica

Let’s connect your water infrastructure.

Start with your network, facility or critical site. Let’s define the monitoring needs, suitable devices and deployment scope together.

Discuss Your Project

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SENSOR TO CLOUD.

