xylem

Xylem Vue

A single platform - built by utilities for utilities - to capture all your data and optimize the entire water cycle

The future of smart water

Xylem Vue is a secure, integrated, and vendor-agnostic software and analytics platform that can capture data from any source, including legacy solutions.

This allows utilities to maximize investments already made in existing technologies while moving further along their digital journey and breaking down data silos to provide a holistic, 360-degree view of their system.

Offering a wide portfolio of modular applications, Xylem Vue helps utilities unlock the true power of their data and more efficiently address their most pressing challenges across the entire water cycle.

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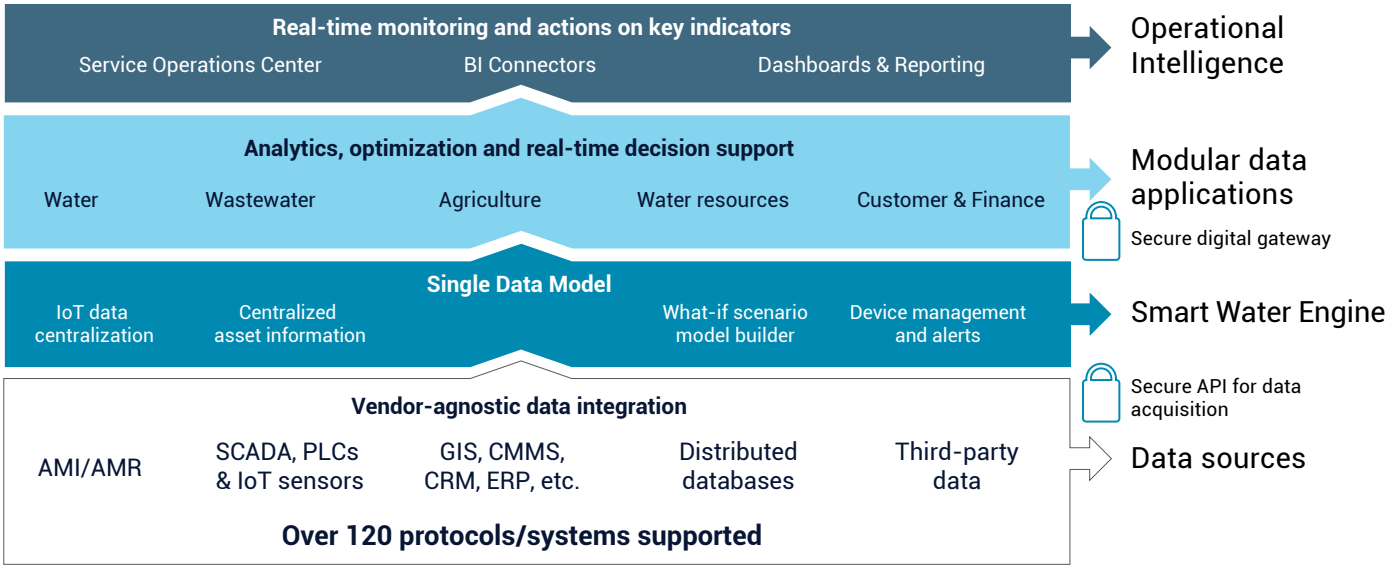
Xylem Vue eliminates data silos to improve operational visibility and control

At the heart of Xylem Vue is the Smart Water Engine which integrates and standardizes data from across the utility, regardless of its origin (sensors, SCADA, assets, business systems, etc.), into a single, unified source of information that powers modular applications and in-depth analytics. This allows utilities to not only more efficiently manage operational data, assets, and IoT devices, or create customized views and algorithms within the platform to meet unique system needs, but also provides them with 360-degree operational intelligence in the form of what-if scenario simulations, real-time monitoring, alerts, and suggested actions to ensure optimal system-wide efficiency.

Platform architecture



What is the Smart Water Engine?

Domain Master Data

Standardizes and unifies asset data, defining a unique data model for all the modular applications. The DMD allows the association of new master data to each asset.

IoT core

As of today, Xylem Vue has integrated data from more than 5 million data sources across more than 120 different technologies and protocols.

Device management

Allows unified management of different IoT devices through its life cycle (commissioning, network configuration, alarm management, etc.)

GIS framework

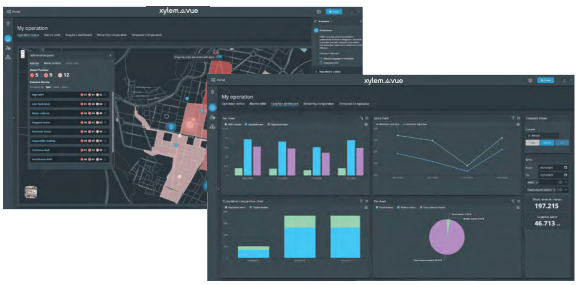
A GIS engine for all the applications and a set of water-specific GIS functionalities to enhance user experience in the different applications.

Data science framework

An environment for data scientists to create value out of the data available in the platform without compromising operational data.

Service Operations Center (SOC)

The Service Operations Center (SOC) gathers insights from the individual modular applications to provide a customized dashboard allowing utilities to prioritize events and improve decision making across the entire system.



Benefits of the Xylem Vue platform

Agnostic
Processes data from different sources regardless of the suppliers, manufacturers or technologies.

Modular
Pick and choose the applications most relevant to the challenges you are facing today.

Secure
Designed and built using best-in-class cloud security practices guided by industry standard frameworks such as NIST CSF and ISO 27001.

Scalable
New applications can be added as needed without impacting operational performance.

Interoperable
Has the flexibility to integrate with both inbound and outbound data for legacy or third-party platforms and solutions.

Adaptable
Can be customized to meet utility-specific processes and requirements.

Implemented at more than 400 cities and municipalities across the globe

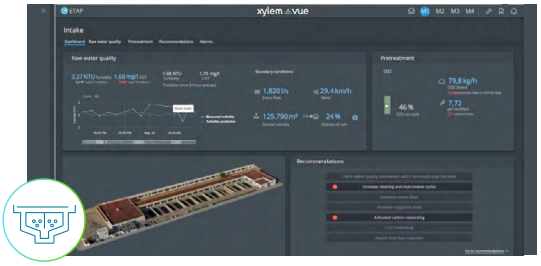
Some of our clients

global omnium
brabant Water
emasesa
APAVITAL
CAA COMPANIA DE APA ARIES
TORONTO
Publiacqua
Triple A S.A. E.S.P.
EWA
NEOM نيوم
THE WORLD BANK IBRD • IDA | WORLD BANK GROUP
Taigua Aigua Municipal de Terrassa
SA Water
BUFFALO SEWER AUTHORITY
Qatar Deserves The Bes
WATER UTILITY MANAGEMENT
YorkshireWater
Bilbao Bizkaia Ur Partzuergoa Consorcio de Aguas Bilbao Bizkaia
Long Beach Water Exceptional Water · Exceptional Service
Waterschap Aa en Maas
CONFEDERACIÓN HIDROGRÁFICA
SACMEX

Water applications

Unified Network Management

Process automation, autonomous synoptic chart generation and advanced real-time algorithms based on sensor variables and other infrastructure data sources.



Plant Management

Smart monitoring and operation of water treatment plants, including algorithms for automatic process optimization.

Leak Detection

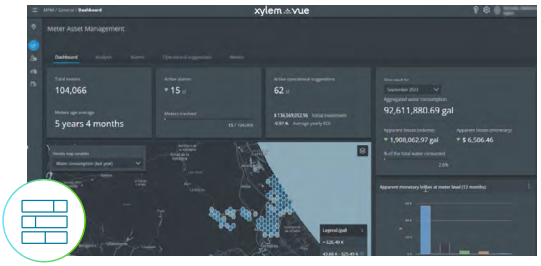
Leak detection and localization using integrated data analytics from SCADA, AMI / AMR, flow, pressure, and acoustic sensors as well as pressure transient monitoring devices.

Real-Time What-If Scenarios

A real-time connected hydraulic model with what-if scenario simulation and suggestions for optimal water distribution network operation.

Meter Data Analytics

AMI/AMR data visualization, system performance monitoring, technology benchmarking, alarm monitoring and customer leak detection algorithms.



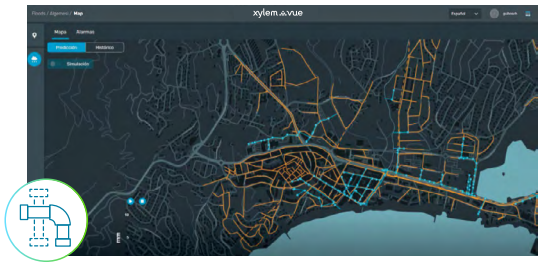
Meter Asset Management

Meter network status monitoring and customized development of meter replacement strategies using ML algorithms to estimate revenue loss and maximize ROI.

Pipe Planner

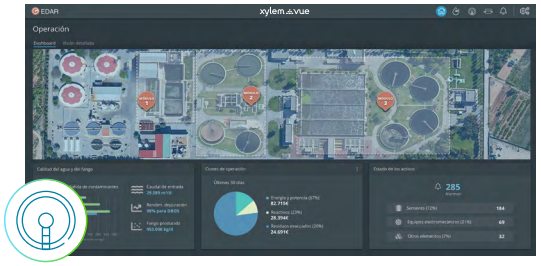
Infrastructure status monitoring. Development and management of optimized asset replacement plans using a risk-based approach for maximum investment impact.

Wastewater applications



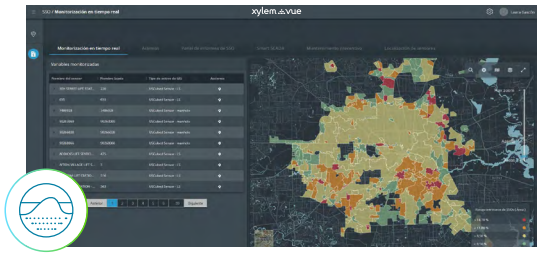
Unified Network Management

Comprehensive synoptic view of network operations retrieving the main insights from sensors and the results of advanced algorithms.



Plant Management

Monitoring and process optimization in WWTPs through data integration from all plant sensors and easy synoptic customization.



Clog Monitoring

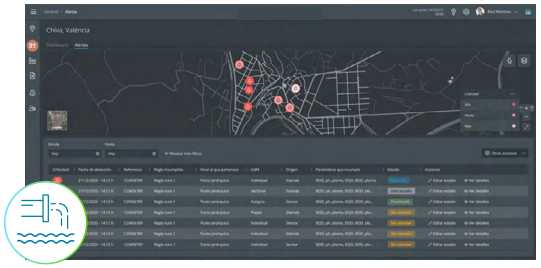
Real-time sewer monitoring and optimization of sewer network cleaning for environmental overflow prevention (SSO).

Real-Time What-If Scenarios

Decision support system for sewer networks with real-time and near-future insights and what-if scenario capabilities for operational configuration assessment.

Biological Monitoring

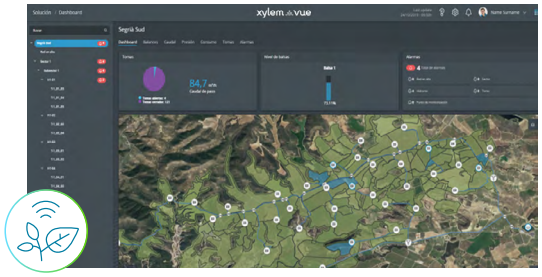
Management and monitoring of pathogen detection in the wastewater network. Integration with laboratory LIMS.



Sewer Tracker

Wastewater quality monitoring and detection of illegal industrial discharges. Early warning system to safeguard sewer networks, WWTPs and the environment.

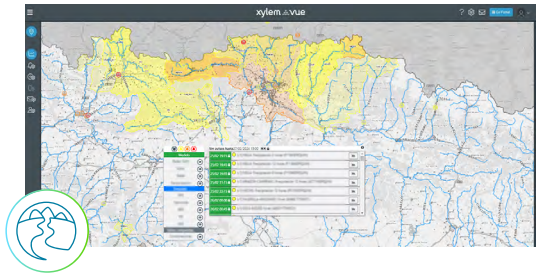
Agriculture applications



Agrotwin

Monitoring and control of irrigation infrastructure for agriculture. Water loss control and optimization of irrigation schedules.

Water Resources applications



Early Warning System

Control and management of extreme events in river basins, including real-time alarms and near-term forecasting of flooding events.

Xylem Vue is more than software. It's a true partnership.

The journey to unlocking your system's full capabilities and achieving extraordinary outcomes begins with the creation of a true partnership between your utility and our team of former utility leaders, decision science professionals, engineers and hydroinformatics experts.

Constant support

From problem assessment to implementation and training, technical and delivery experts are there every step of the way.

Domain knowledge & partner intimacy

Our water experts work hand-in-hand with your team to meet your specific system goals.

"High touch" delivery

Consistent communication and training so leadership and operators are engaged, maximizing operational efficiency.

Smart water simplified

Xylem Vue helps utilities to:

- Unify data in a single, interoperable, software and analytics platform
- Democratize system knowledge across your network and teams
- Maximize digital investments to solve challenges affordably and sustainably
- Increase awareness and control across the entire water cycle
- Optimize decision making and increase operational efficiency

For more information on Xylem Vue, visit our website.

xylem.com

Xylem Vue is our full suite of digital solutions that combines smart and connected technologies, intelligent systems and services, and 100+ years of problem-solving expertise — empowering utilities to deliver transformative outcomes to their communities. Our integrated software and analytics platform for water managers takes digital transformation to the next level, helping utilities to move faster and maximize every investment.

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