

# Avensor

CLOUD-BASED SOLUTIONS FOR MANAGING YOUR WATER INFRASTRUCTURE ASSETS

A smarter approach to managing your water infrastructure is increasingly required due to:

- Aging infrastructure
- Climate change
- Aging workforce

## **Intelligence for your water infrastructure assets**

Avensor is a digital service that provides alerts and data-driven insights from a device connected to your pump stations or other water infrastructure assets. Avensor offers true simplicity in connecting a pump station and also allows for easy data access via a web or mobile app.

To improve management of your assets, Avensor provides connectivity and remote data access to your assets. This will allow you to gather alarms, operating data and additional insights to reduce the risk of downtime and better use your resources.

# Avensor

## Avensor is built for water infrastructure assets

As a leading water technology company, Xylem developed Avensor using Xylem's domain expertise and knowledge in pumps and water-related products. Avensor works well with your existing assets, which helps you improve the operation of your pumping system and water assets throughout their product lifecycle. Avensor can provide recommendations to keep your asset software up to date and deliver data-driven insights that improve the operations of your assets.

At Xylem, we understand the importance of keeping your equipment up and running. Therefore, Xylem monitors Avensor application 24/7 using our Network Operations Center. This ensures high system availability as well as system support when needed.

## Plug-and-play solution

Avensor supports a large number of devices directly out of the box but can also be configured to support other devices. All you need is a modem connected to the assets you need to monitor and a user account to register and monitor your assets.

Log in and start monitoring your assets and stations remotely on your smartphone, tablet or computer. Alarms are sent to the right people through app notifications, text messages and emails.

Your standard subscription includes access to the application, mobile data and alarm text messages. You can add additional digital, remote and onsite services from Xylem when needed.

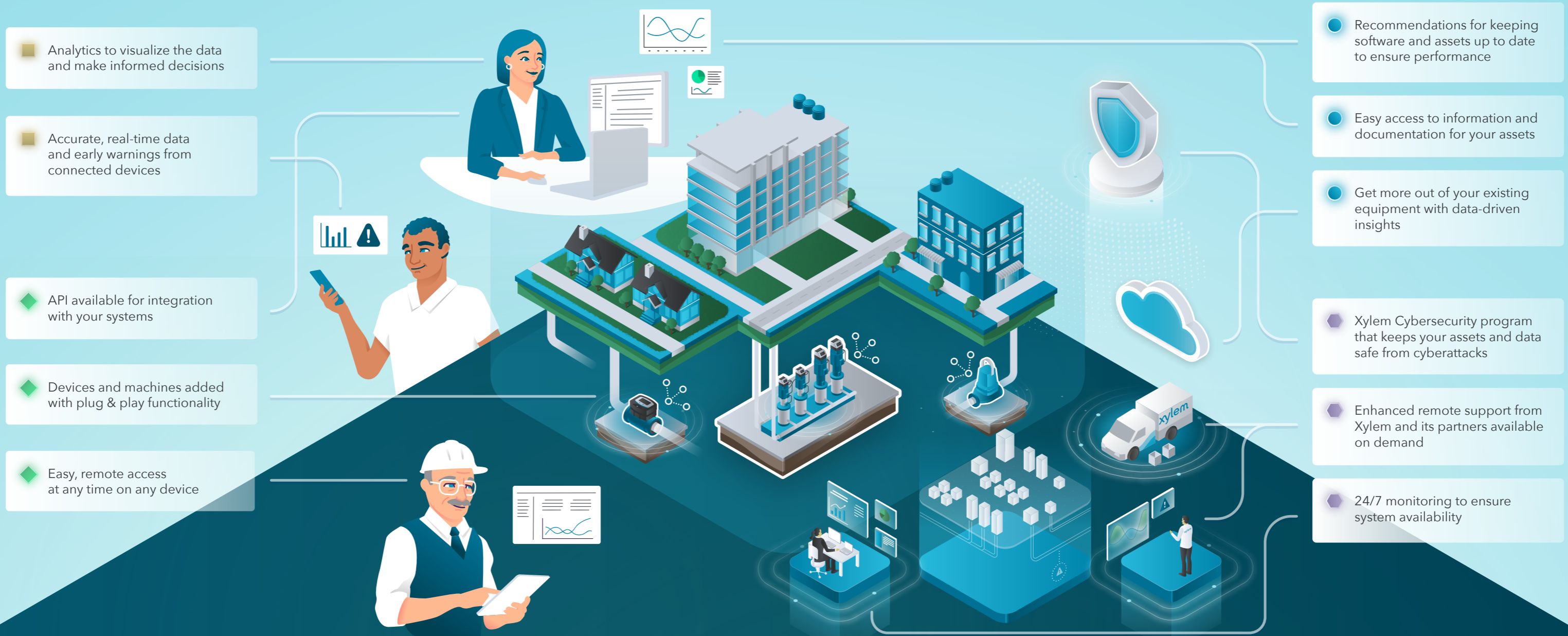
## A data-driven solution backed by a global leader

With Avensor, you get a state-of-the-art monitoring solution from a global leader in water technology. Xylem has in-depth experience and expertise in providing SCADA and monitoring systems for our customers and is leading the industry with smart water technology and decision intelligence solutions.

Xylem offers all levels of service, from onsite installation, to setup and remote assistance. Our service organization is always ready to support you.

## Cyber security

Ensuring the security of connected products and data is essential for our customers. Xylem recognizes this and works actively to ensure data security for our products and services. Xylem uses private cellular networks that keep communications separate from public internet usage and only works with world-class partners.



Analytics to visualize the data and make informed decisions

Accurate, real-time data and early warnings from connected devices

API available for integration with your systems

Devices and machines added with plug & play functionality

Easy, remote access at any time on any device

Recommendations for keeping software and assets up to date to ensure performance

Easy access to information and documentation for your assets

Get more out of your existing equipment with data-driven insights

Xylem Cybersecurity program that keeps your assets and data safe from cyberattacks

Enhanced remote support from Xylem and its partners available on demand

24/7 monitoring to ensure system availability



Xylem's network operations center team

## Features

**Plug-and-play functionality:** Easily connect supported devices through Modbus (RS485, RS232 or TCP). Other devices can be connected via analogue and digital inputs or using the Modbus mapping functionality.

**Alarms and data:** Accurate real-time data and early warnings from connected devices for carrying out data-driven service operations.

**Alarm management:** Alarms from devices are easily sent to the right people through text messages, email or app notifications.

**Station and site overview:** Monitor your stations and sites through connected assets. View data and alarms, including history, location data, and more.

**Mobile apps:** Get easy remote access at any time on any device.

**Analytics:** Avensor's analytics capability allows you to visualize and make decisions from the data collected.

**24/7 system monitoring and support:** Xylem monitors the Avensor service 24/7 to ensure system availability. Remote and onsite support from Xylem and its service partner network is available on demand.

**API and OPC connectors:** With Avensor API or Avensor OPC connector, you can benefit from Avensor in your existing SCADA, asset management or building management systems.