xylem

Let's Solve Water

TurnKey Systems

INTEGRATED WATER MONITORING & TELEMETRY SYSTEMS

BROCHURE

E123-04

YSI

a **xylem** brand

TurnKey Systems

A TurnKey System can be designed for almost any water monitoring application our customers need. Our experts will integrate all the components, deliver the system and assemble it on site. For customers who want the data but are short on hands, we can also maintain the equipment and deliver the data to your fingertips.

The benefits of a TurnKey System include:

Ruggedized materials to withstand most monitoring environments

Compatibility with HydroSphere™

Compatibility with most Xylem water quality, water level, and hydromet sensors

Flexible telemetry options

Expert integration of all components

Expandability to add sensors

Below and cover: TurnKeys in South Carolina integrate pressure transducers and EXO water quality sondes with telemetry, for a watershed-wide stormwater monitoring program.

System
Overview

Each system includes:

Datalogger with integrated modem or radio

YSI's own test site in St. Petersburg, FL where flow is monitored with a Sontek IQ, water quality with an EXO sonde, and the data are sent to HydroSphere using a Storm3 datalogger and cellular communications.

Solar or AC Power Supply

NEMA4X Enclosure

12 V/18 Ah Sealed Lead-acid Battery

Sensor Options

Storm event monitoring in New York City's Jamaica Bay, where a Vaisala meteorological sensor suite and an EXO water quality sonde were integrated into a YSI TurnKey system with cellular telemetry.

We are always integrating something new into our TurnKey systems—what sensors do YOU want?

These versatile, advanced systems are compatible with all of Xylem's sensor offerings, and many 3rd party sensor offerings.

Water Quality

YSI.com/EXO

Like you, our engineers and scientists have spent years in the field, developing and using the products we design.

The industry's leading water quality platform, the **EXO** sonde is one of the most frequently integrated sensors into a YSI TurnKey system. Pair with a **ProSample** and a datalogger to do event-based sample collection!

EXO sensor options include:

- Conductivity/Temperature
- Depth/Level
- Dissolved Oxygen
- fDOM

- ISE: Ammonium, Nitrate, Chloride
- UV Nitrate
- pH/ORP
- Rhodamine
- Total Algae
- Turbidity

ProSample

EXO

Water Level

Nile Radar

Shaft Encoder

Amazon

Velocity and Flow

HydroSurveyor

SonTek-SL

SonTek-IQ

Wave, Tide, and Meteorological

Aanderaa Current Sensor

Aanderaa Tide Sensor

Tipping Bucket Rain Gauge

HydroSphere

Empower your organization and all data stakeholders with **HydroSphere™, Xylem's data hosting solution**. HydroSphere is monitored for security and continuity of service 24/7, using machine learning for data classification and protection. HydroSphere is compatible with any YSI datalogger, cellular and satellite telemetry, and is being continually expanded to accommodate new technologies.

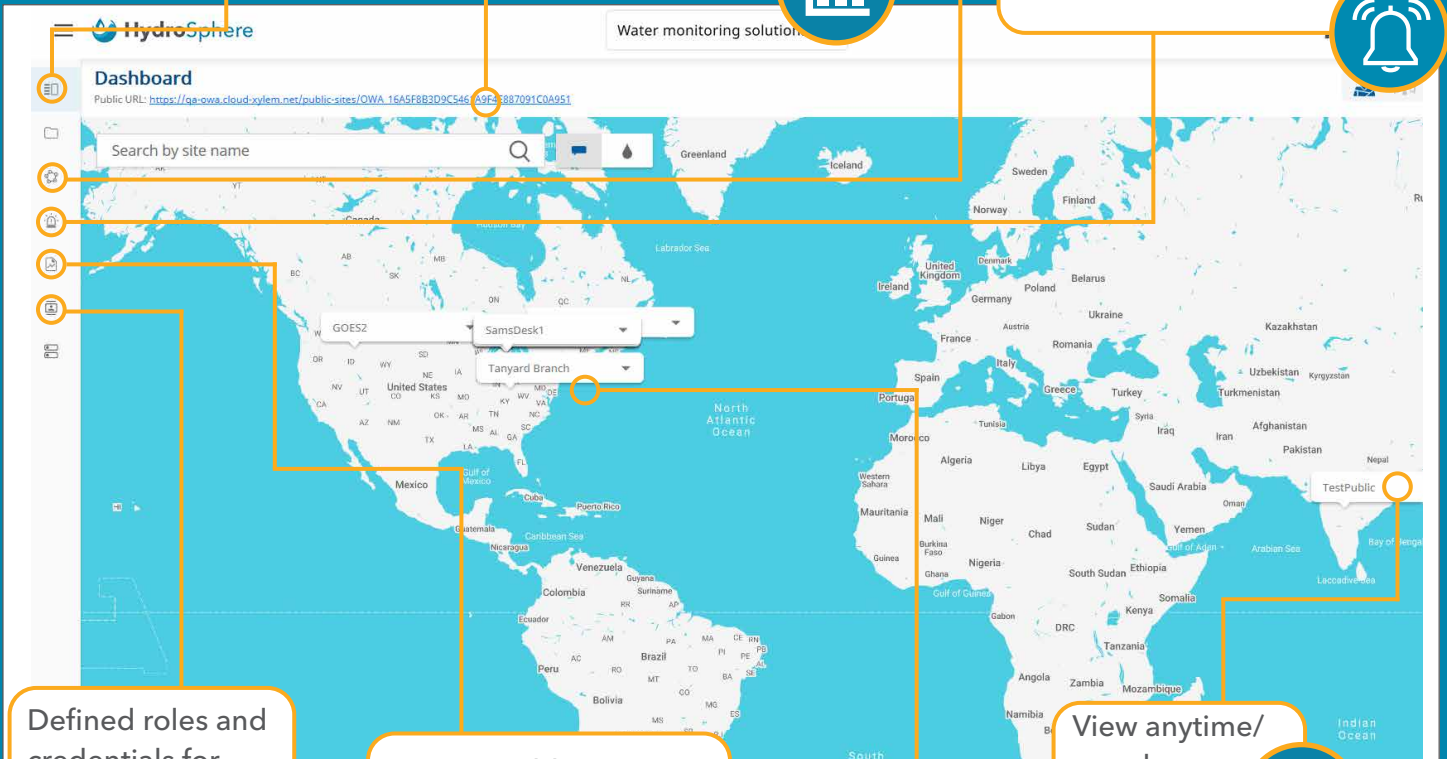Customizable graphs, tables and dashboards

Customizable networks of monitoring sites

Share data with public stakeholders

Data-driven alarms and alerts with escalation

HydroSphere

Dashboard
Public URL: https://qa-owa.cloud-xylem.net/public-sites/OWA_16A5F8B3D9C546A9F4E887091C0A951

Search by site name

Water monitoring solution

GOES2   SamsDesk1
Tanyard Branch

Defined roles and credentials for each user

Customizable reports, graphs and tables that can be exported

Backfill data when transmission is interrupted

View anytime/ anywhere

YSI.com/HydroSphere

After your TurnKey monitoring system is installed, the hard work begins. Let our service specialists support you.

Our experts can provide:

Installation

Harsh environments, remote locations, and sites accessible only by boats, airboats, helicopters, or swamp buggies won't stop our team. YSI technicians have construction and installation experience in the field including hardware installation, civil engineering work, and complete system implementation.

Commissioning

We can verify that your system is working, including helping you get started with HydroSphere and training your team. Let our experts help your experts.

Maintenance

Maybe you need to keep the data moving, but don't have the people to do routing maintenance of your sites. No problem--we have instrument experts that can take care of calibration, site upkeep, communication verifications, system upgrades, and data quality control. Contact us to discuss the scope of your needs!

YSI.com/Systems

Your TurnKey system and monitoring environment are unique. Talk with our hands-on application specialists to get started and enjoy years of high-quality data!

Expert
Service

In Syracuse, NY a YSI TurnKey system includes a radar sensor and a tipping bucket rain gauge for monitoring water levels in canals.

Xylem |ˈzīləm|

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com

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YSI, a Xylem brand
1725 Brannum Lane
Yellow Springs, OH 45387

☎ +1.937.767.7241
✉ info@ysi.com
🌐 YSI.com

YSI INTEGRATED SYSTEMS & SERVICES
BETTER DATA • BETTER DECISIONS

YSI.com/TurnKey