xylem
Let's Solve Water

The Optimal Solution to Pump Diagnostics

PROACTIVE ANALYSIS WITH THE MAS 801 PUMP MONITORING SYSTEM

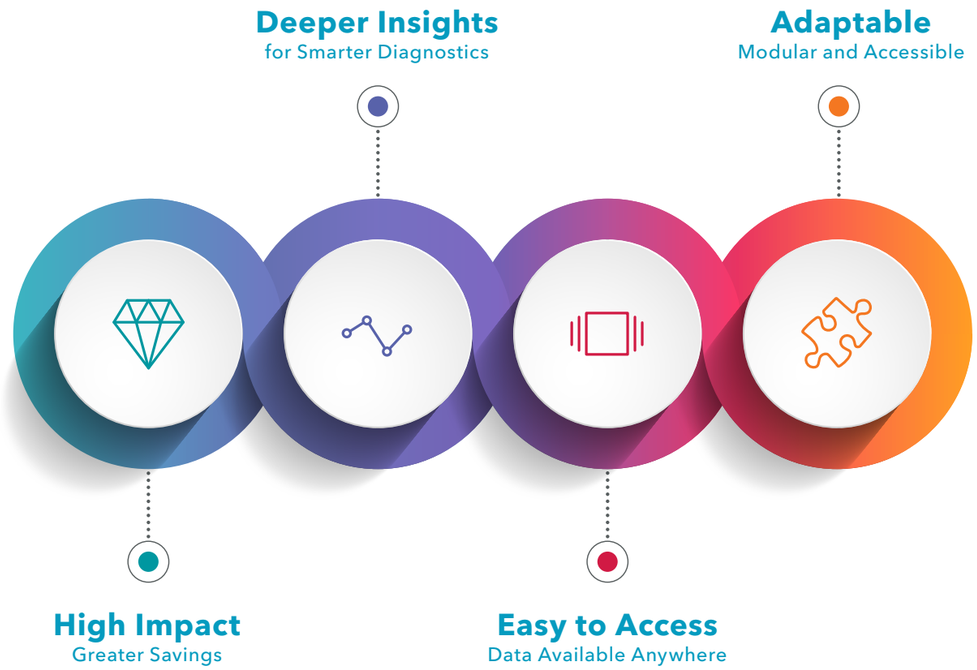
FLYGT
a xylem brand

MAS 801 simplifies the decision intelligence experience

Leveraging the power of data to provide new information for making better system-level choices and recommendations.

During pump operation, there is always the potential for failure. Motors seize, seals leak, stator windings short circuit—it's the inevitable fate of any station. Take a more proactive approach to station diagnostics and streamline the maintenance experience with the MAS 801's powerful predictive analytics tools.

MAS 801 uses a 24/7 on-site overview of pump data and continuous station health check to detect failures before they can damage station infrastructure. With its remote accessibility, easy integration and ability to collect data and predict optimal pump servicing, the MAS 801 supports your station's evolution into digitization and demonstrates Flygt's continuation as the leader in pump solutions.



High Impact, Greater Savings

Base your next maintenance schedule on facts from accumulated data instead of routine or reactionary repairs and replacements. MAS 801 equips engineers and technicians with accurate and actionable data, empowering them to make more practical and efficient maintenance decisions before the failure of the system.

Predictable Servicing
means fewer stoppages and prioritization of your efforts and time to higher-values activities

Optimized Maintenance Intervals
place less wear on components and improve energy efficiencies of the overall system

Better Maintained Pumps
extend their overall lifetime value, require fewer replacements and lead to significant cost savings

Deeper Insights for Smarter Diagnostics

Our improved measurement solutions allow for quick analysis of data trends. Three-axis vibration sensor, current measurements, and “black-box” sensor data work together to improve pump maintenance cycles and let you be in control of your operation planning, instead of being forced into unplanned shutdowns.

Expert Suggestions at your Fingertips
help troubleshoot failures for faster system restarts

10 Separate Warning Parameters
identify part wear and tear, while additional warnings signify changes in current, temperature, leakage and vibration to further reduce premature shutdowns

The Flygt SUBCAB Power Cable
eliminates cumbersome signal cables, using screened and twisted lead pairs for improved temperature readings

On Demand
serial number data and part identification facilitates your inventory and speeds up the replacement of spare parts

Easy to Access, Available from Anywhere

Get a holistic understanding of each pump’s operation and stay aware of onsite pump operations while on the go with MAS 801. SCADA integrated, the MAS 801 operator panel connects directly to an online dashboard, providing direct access via mobile device.

Monitor up to 10 Pumps
side-by-side for quick station overview

Color HMI Touchscreen
ranging from 7” to 15” provides a more intuitive and accessible user experience

Get Real-Time
access to pump data from your online device

Adaptable, Modular and Accessible

With power and communication signals combined through a single cable and an enhanced set-up wizard, MAS 801 offers an easy-to-install solution for any pump station. Get ahead by integrating MAS 801 directly into many of Flygt’s existing monitoring & control offers for added versatility.

Pump Range Availability

CENTRIFUGAL PUMPS

For demanding pumping duties, Flygt centrifugal pumps handle fluid transport for capacities up to 3m³/s (50 000 US gpm). Robust and highly efficient, they provide clog-free performance to achieve the lowest overall lifecycle cost.

High-capacity Pumps | Standard

Medium-capacity Pumps | Optional

SLURRY PUMPS

Designed for excellent performance, low energy consumption, long wear life and easy maintenance, our 5000 series pumps serve a wide range of slurry transport applications. With slim compact design, these abrasive and corrosive resistant portable slurry pumps provide a quiet and economical solutions for slurry transportation.

High-capacity Pumps | Standard

Medium-capacity Pumps | Optional

PROPELLER PUMPS

Flygt propeller pumps are designed to transport large volumes of water at low heads with the ultimate in performance. The N-technology reduces the risk of fibrous material building-up on the pumps, resulting in sustained high efficiency over the long-term.

High-capacity Pumps | Standard

Medium-capacity Pumps | Optional

Start your journey into a more affordable, sustainable and secure future

MAS 801

PUMP MONITORING SYSTEM

Xylem |'zīləm|

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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