



SMART AND INNOVATIVE

Connected Water & Wastewater Solutions



Gateway Solutions



Remote Connectivity Solutions

hms-networks.com

Communication Challenges

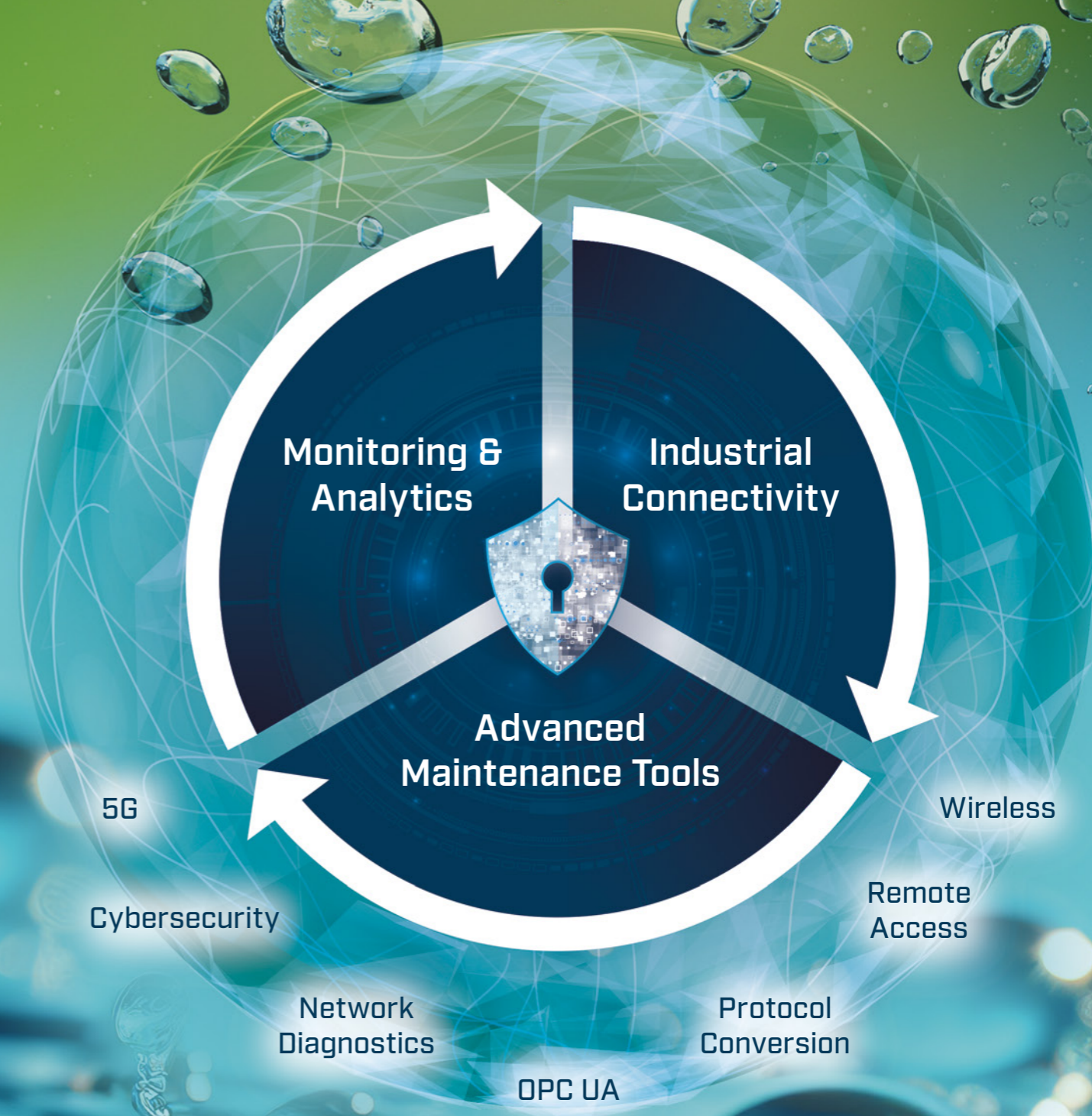
Water and wastewater utilities are complex organizations with multiple data silos and in many cases using legacy systems in critical operations. It is a challenge to integrate systems and ensure interoperability as data silos and electro-mechanical rotating equipment are normally from various suppliers with different communication protocols.

In addition, connectivity for Water 4.0 is imperative for progressing in the digitalization journey, but it also raises new issues such as cybersecurity that must be considered.

With HMS Networks, you get a reliable, experienced partner for the optimization of your projects.



Full details:
www.hms-networks.com



We make Water Smart for you

Communication solutions for your assets

Industrial Networks

Industrial Networks are designed for optimal speed, productivity, and efficiency, playing a crucial role in the seamless operation of plants. With regular enhancements and the addition of new nodes, these networks are continuously evolving. However, these improvements can also introduce complexities, leading to potential issues and extended resolution times. Implementing continuous monitoring is key to detecting or preventing failures.



Anybus Diagnostics products offer continuous monitoring of industrial networks, such as PROFIBUS, PROFINET and EtherNet/IP, ensuring their optimal performance.



Field Devices

Actuators, controllers, analyzers, and sensors can be integrated into industrial and fieldbus networks using protocols like Modbus, PROFINET, EtherNet/IP or BACnet. Manufacturers need to ensure their products can connect securely and reliably to networks, but as demands for data communication grow, it is challenging for them to keep up with networking technology needs. Consequently, hundreds of companies have turned to Anybus to incorporate a pre-built communication module into millions of industrial devices.



Anybus CompactCom modules allow devices to connect to any industrial network, letting manufacturers concentrate on their core expertise.





Water Treatment Machinery

Water treatment machines are normally controlled by an intelligent system such as a PLC. These machines require connectivity to exchange information with other machines, controllers and SCADA systems, as well as with cloud platforms for analytics and optimization. Many parameters must be monitored, such as discharge effluent, chemicals, energy consumption, efficiency, but also historical data is needed to improve the machine and provide the right support. Rental and mobile machines require monitoring of usage and location as well.



Ewon Flexy and Netbiter are the best most complete gateways in the market for IoT, remote monitoring and remote access.



Anybus gateways will allow a seamless communication between machines by translating protocols.



Pumping Stations

Pumps are vital for delivering clean water and managing wastewater. Many pumps work on their own in remote areas, making it essential to monitor temperature, pressure, leakages, and energy use for optimal performance.



The Ewon Flexy IoT gateway enables seamless connection and data transfer to any cloud platform, providing vital information on pumps for intelligent decision-making. It also facilitates secure remote access, allowing operators to manage pumps from any location. This capability significantly enhances response times to issues or necessary adjustments without the need for onsite presence, thereby increasing efficiency and safety.





Anybus[®]
BY HMS NETWORKS

Ewon[®]
BY HMS NETWORKS

Intesis[®]
BY HMS NETWORKS

Ixxat[®]
BY HMS NETWORKS

HMS Networks - Contact

Work with HMS Networks. The number one choice for factory automation and building automation.

Email: muce-sales@hms-networks.com
Web: hms-networks.com/contact



Anybus[®], Ewon[®], Ixxat[®] and Intesis[®] are registered trademarks of HMS Industrial Networks AB, Sweden, USA, Germany and other countries. Other marks and words belong to their respective companies. All other product or service names mentioned in this document are trademarks of their respective companies.
© HMS Industrial Networks - All rights reserved - HMS reserves the right to make modifications without prior notice.



hms-networks.com