



Case Study: Water Treatment

Customer: Mpw Industrial Services
Country: USA, OH
Solution: Industrial remote monitoring



Benefits

- Data collection in distant locations.
- High storage and transmission capacity
- Integration of new technologies into existing systems or upgrading digitalization.
- Guaranteed integrity and security of data of brown field equipment.



"The Ewon Flexy 205 is compatible with all PLC's on the market. For a company which offers a wide range of services, it's a major advantage."

- **Ben Reemsnyder**, OT Engineer
at Mpw Industrial Services

Implementation of a data collection and historization system for efficient industrial water management

Based in Ohio, Mpw Industrial Services specializes in the development of customized solutions for industrial water treatment. It offers both permanent systems and emergency solutions, which it installs all over the USA. It expertises ranges from the treatment of raw river water to the production of ultra-pure water.

Given the mobile nature and geographical dispersion of the installations deployed by Mpw Industrial Services (in place where the reliability of cellular services is not guaranteed), remote data collection and communication is paramount. The Ewon Flexy 205 quickly proved to be the ideal solution.

Above-average storage and transmission capacities

For effective industrial connectivity, two essential criteria must be met:

- High storage capacity
- Fast, complete data transmission

"Ewon is revolutionizing the company's decision-making processes and operational strategies Our company now intends to continue its digital transition."



Mpw Industrial Services installs emergency water treatment solutions throughout North America. Remote access to machines is therefore crucial..

The Ewon Flexy not only meets these requirements, but also boasts another valuable asset: it is compatible with all PLCs (Programmable Logic Controllers) on the market. Mpw Industrial Services can now gather and analyze data from all its PLCs.

Data security at the heart of remote monitoring

“Industrial connectivity cannot be envisaged unless data security is absolutely guaranteed, says Ben Reemsnyder, OT Engineer at Mpw Industrial Services. Our IT team built the infrastructure from the ground up, with elements such as a demilitarized zone (DMZ), internal servers, firewalls and domain controllers to enable seamless and secure connectivity.”

The data collected in the various water treatment systems is then securely transmitted to a cloud to ensure the integrity and security of the data historization system.

An ongoing digitalization process

At the time of writing, some 50 Ewon Flexy 205s have been installed and are revolutionizing the company’s decision-making processes and operational strategies. Mpw Industrial Services now intends to continue its digital transition. Data collection, analysis and historization mark a major turning point in industrial water management.

“In the industrial water treatment sector, safety is a key factor and the Ewon Flexy meets the most stringent requirements in this area.”



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Integrate and visualize machine data to gain valuable information and insights into your equipment, whether it’s PLC-based machines, systems, sensors or other industrial devices. This can be done by using Ewon’s full featured dashboards, or by seamlessly providing data to a wide range of third-party applications

