SATEL case story I SCADA I Mipro

Ensuring safe and reliable water management with real-time connectivity

Mipro is one of Finland's leading specialists in water and energy management systems, delivering advanced automation, monitoring, and safety solutions for water treatment plants, distribution networks, and municipal water operators. In monitoring and warning systems, SATEL's radio modems help provide secure and reliable communication between geographically distributed assets supporting security and independence in critical infrastructure automation.

Since the 1980s, Mipro has been involved in developing safer and more efficient water and energy services. The company delivers solutions that ensure process safety while also being economically efficient. Its aim is to build and develop a safe living environment and, at the same time, promote the preservation of a clean natural environment. Operating internationally, Mipro serves numerous municipal and city water and energy utilities as well as state-owned companies.

Mipro's widely used MISONET automation system provides real-time situational awareness, safe process control, and lifecycle management for end-to-end water management supporting municipalities in maintaining reliable water supply infrastructure.

Reliable communication for critical infrastructure

In modern water supply operations, fast and dependable communication is essential. To ensure continuous oversight, communication must function reliably in challenging conditions, including remote locations and environments where wired connections are not feasible. For this reason, Mipro has trusted SATEL's solutions for more than two decades.

To enhance operational reliability across distributed sites, Mipro integrates SATEL's radio modems into its monitoring and warning systems. The modems form a robust communication backbone for real-time data transfer between remote pumping stations, reservoirs, treatment facilities, and central control rooms. In practice, they carry the automation control commands and process measurement data required to run water utility processes, enabling reliable monitoring and remote operation between the main control room and local substations at distributed sites.

By deploying industrial-grade radio modems, Mipro ensures:

- Stable and secure real-time data flow from field devices to the MISONET automation system
- Instant alerts and warnings to supportquick operator response to abnormal events
- Reduced downtime and improved preventive maintenance through seamless remote monitoring
- Strong operational resilience during network disruptions and other challenging conditions

Supporting sustainable and safe water management

Mipro's goal is to build and develop a safe living environment while also promoting the preservation of a clean natural environment. As experts in automation and control systems, Mipro strives to create innovative solutions that make the world a better place to live.

The integration of SATEL's radio modems directly supports this mission. Providing high-availability wireless communication ensures that water utilities can trust the data they receive, enabling them to maintain water quality, optimize operations, and meet increasing regulatory and sustainability requirements.

Safety, efficiency and reliability don't happen by chance. They require continuous care, the right expertise, and comprehensive planning. Together, Mipro and SATEL provide long-lasting, cyber-secure solutions for critical infrastructure customers.

Read more about Mipro: https://mipro.fi/en/water-and-energy/water-and-energy-solutions/

Read more about SATEL-EASy+, radio modem model Mipro uses for their systems: https://www.satel.com/products/radio-modems/satel-easy/

MIPRO

SATEL – Your technology partner

SATEL is the world's leading expert and innovator in wireless networking technology. We design, manufacture and offer high quality connectivity solutions that enable secure, mission-critical connections, utilizing the best characteristics of each technology for real-life use-cases.

SATEL
Mission-Critical Connectivity