



Benefits

- Optimum analysis of the machine's work
- Remote supervision
- Optimize planning and schedule of maintenance team

Remote control of a shopping centre cooling system

Nowadays, industry has very high expectations and faults are less and less tolerated. Consequently, fast and cost-effective solutions are required when dealing with incidents.

Stenco, a nationwide leading water treatment company installed a real-time remote monitoring system based on eWON industrial routers on a shopping centre cooling circuit. In this way, the company can now remotely check that the circuit is operating correctly but also use remote control to carry out the necessary changes if an incident occurs.

Remote supervision and control

Using this technology, the corporate is now performing supervision of its plants without actually needing to make a site visit. The structure can provide a real-time data capture which can be used to notify any leaks detected and control the water composition to prevent for instance corrosion problems.

In addition, Stenco also has the capability to remotely operate some devices installed in the cooling circuit that inject additives into the water to control its conductivity, pH, temperature and other important settings. Not only that, they also receive alerts by text message or e-mail if any product wears out or any control parameter that has been set has exceeded a certain limit.

The new structure enables to reduce the supervision team and by the way, saves time and money. Another feature of the eWON routers is the data logging and archiving regularly sent to Stenco which gives the corporate the data needed to optimise the analysis of the machine working.

Fully programmable and customizable system

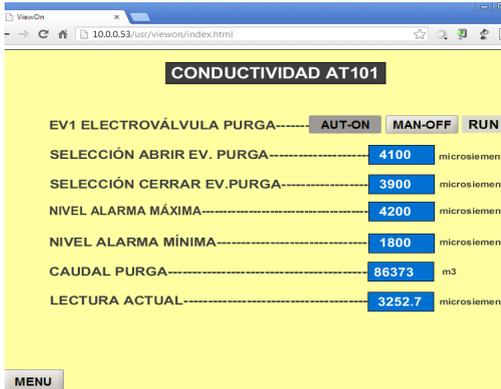
The system is extremely programmable and can be adapted to suit each installation's specific requirements. For example, for this shopping centre, the system has been configured to send a daily e-mail each morning to show that the system is working.



Using this technology, the corporate is now performing supervising of its plants without actually needing to make a site visit



Customer: Stenco Corporate
Country: Spain
Sector: Water
Solution: eWON 4005CD



The company can now control and monitor its cooling system from afar via a simple browser



Stenco also has the capability to remotely inject additives into the water to control its conductivity and other important settings

Stenco also uses this system to monitor a wastewater plant located in Tunisia for a textile company; this allows Stenco staff to provide the client with technical assistance without needing to travel to the site, assuring a maintenance from the headquarters.

Talk2M software

The eWON is a router that can connect to the internet and control a PLC, HMI, etc. To establish the connection between the eWON and the user, a Talk2M server is used as the intermediary. The eWON connects to this server via a VPN connection and the user, from his/her computer, also connects to the server via VPN and the Talk2M server is responsible for making a secure connection to his/her eWON

Talk2M is an internet service, designed to answer the growing demand for remote access to machines. The key feature of Talk2M is the fact that it fully incorporates IT security standards that ensure secure web-based communication between the user and the machine, without requiring any change to security on either side. This advanced feature enables the service to be implemented easily and masks the complexity of the IT security.

Talk2M acts as the intermediary and transmits communications sent by users to their machines. The software does not initiate the connection and, therefore, firewall ports do not need to be opened from outside the company.

An authentication mechanism ensures that each eWON router connects and exchanges information with the Talk2M server which shares the same key. The user connects to the server in the same way and, consequently, to the corresponding eWON router.

Head Office

22 Av. Robert Schuman
1400 Nivelles
Belgium
Tel: +32 67 895 800
info@ewon.biz

North American Office

2345 Murray Ave, suite #305
Pittsburgh, PA 15217
USA
Tel: +1-412-586-5901
info@ewon.us