

A SUBSIDIARY OF DEME CHOOSES EWON ROUTERS

For both budgetary and practical reasons, companies that specialise in water purification cannot assign a person to every site to supervise everything. That is why they need a solution that facilitates communication between their water purification units and offices. It is also important that the saving of data fully respects the customer's privacy requirements. eWon routers from Bintz Technics provide such a solution. Thanks to its good results, Bintz Technics will be able to supply these communication tools to Purazur, a subsidiary of DEME, for its future projects. Peter Teunen (Purazur) and Kristof Brouwers (Bintz Technics) tell us more. BY BART VAN CAUWENBERGHE



Amongst other things, eWon Flexy provides complete support for alarm management.

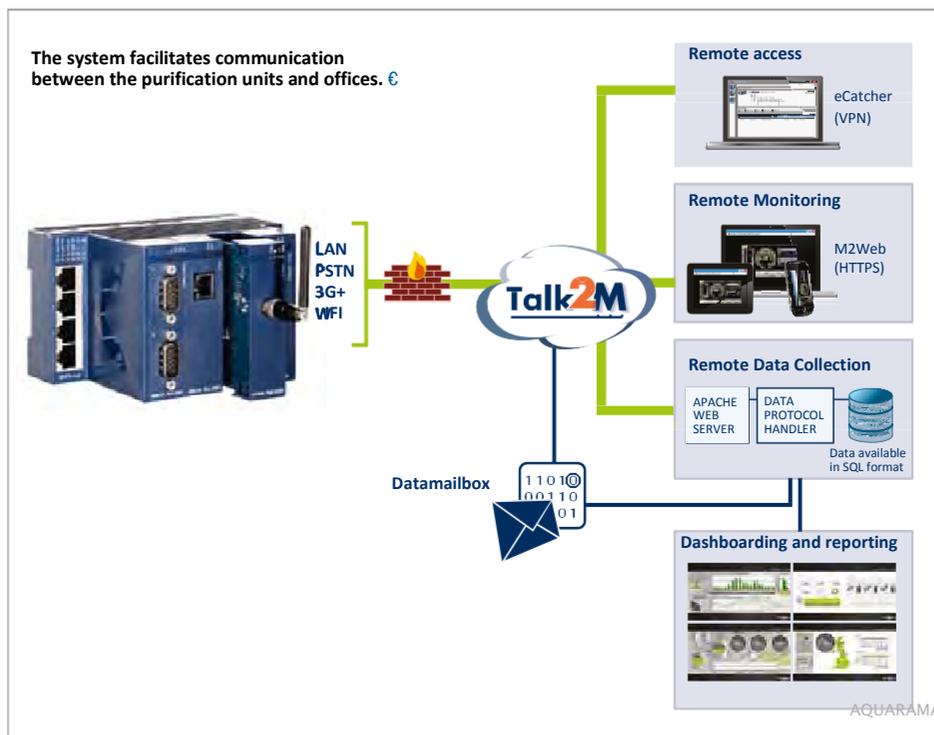
What was the challenge that led Purazur to contact Bintz? Peter Teunen: "At first, we were looking for a device that could send alarms via text message and also operate as a gateway to our mobile installations. Up to now, we have been using a text message alarm system without being able to take control of the installation. Later, we thought it would be useful to have access to the operating time and data saving for the purpose of optimising the installations. All of that was perfectly feasible with the new generation of eWon devices, and within the same budgetary framework as before. The decision to approach Bintz for this project was reached quickly, since I knew that supplier before I worked for Purazur. And since the world of automation is quite small, you keep coming across the same players in the market."

How did you respond to this challenge? Peter Teunen: "We sent our technicians to the site with an idea of the likely cause of the problem and with the spare parts required to carry out a repair. For a recording, additional external recorders were provided. For small, less complex installations, we looked at them and identified and adjusted certain process variables."

What was your experience of Bintz solutions? Peter Teunen: "We contacted the company ourselves to get more information about alarm and GPRS systems. I was not a complete stranger to eWon devices; a few years ago

I had the opportunity to see them in action several times."

Did you have any other expectations? Peter Teunen: "We wanted to automatically concentrate data collection at our main headquarters in Zwijndrecht."





€ This diagram is a good representation of how eWon operates.

In this context, our contacts at Bintz presented the eSYNC software. To be specific: everything goes through a data mailbox and a data mailbox connector. So we were able to transfer data automatically at precise times from the various sites to the central database system. The eCatcher software provides remote access to the system. "

How did the integration take place?

Peter Teunen: "First there was a pilot project near our head office. The concept was tested with regard to alarms and recording. Since then, the first Belgian project has been implemented and turned out successfully. That is why we decided to extend the use of this technology to all of our facilities. We feel the operation of the system can be described as very positive. That's why we have decided that all our new installations should have this equipment as standard. If possible, we will do the same in the older installations (using some retro-engineering). "

How does the system work on your site?

Peter Teunen: "In the first instance, the device operates as a text message alarm, and therefore informs us about the overall situation of the installations. In case of a failure (notified by text message), we can take control of the installation remotely and apply corrections if necessary. To save data, the device reads the data from the various PLCs. The most important thing for us is the standardisation of devices, independently of the technology used (PLC type) in the different installations.

The settings can be adjusted independently, as needed: rapid fluctuation or "change". These signals are then sent at specific moments."

You also use the Pluto Live Report. What exactly does this consist of?

Peter Teunen: "We mainly use Pluto Live to give people who are less involved in the technical side a tool to view the stored data. In particular, we display the operating time and consumption of chemicals, which helps us optimise the installations. "

What do you think is the biggest added value that working with Bintz Technics brings you?

Peter Teunen: "We only have to speak to one contact, one solution provider. This means that we don't need to put together a whole puzzle to obtain a unique work entity. In addition, eWon has global coverage when it comes to support and accessibility. The system offers many communication options (GPRS, WAN, etc.). "

Optimisation

The operation of the eWon router is constantly being improved. Flexy has been the most recent model on the market for a while now.

"Compared to earlier generations, Flexy is a modular model," explains Kristof Brouwers, Sales Engineer. "This is how we anticipate the need for several communication options in industry. The flexibility of WAN opens up a choice of extender boards for Internet connections via LAN, PSTN, WiFi, 2G, and 3G.

Thanks to FIELD flexibility, the basic module can be connected to devices via extender boards, a four-port Ethernet adapter, or RS232/422/485 serial ports or MPI-/Profibus.ports. "

Flexy eWon provides complete alarm management support. In this device, data recording goes from 100,000 to 1 million points. It also allows viewing via Internet, giving the operator a good overview of the installation.

"It can connect to the system via a TALK2M cloud server (with login) or via M2Web. The connection is made via a browser, so no special software is needed for access to the cloud. This means the data can be monitored via a smartphone or tablet. "

www.purazur.com
 E www.bintz.be

What does Purazur do?

Purazur is a part of the world-renowned DEME group. Purazur's activities focus on high-tech purification of industrial waste water and polluted water, both at home and abroad.