

Process Automation Decentralized water treatment solutions

Ekopak, Tielt, Belgium

Portable and sustainable
water treatment thanks to
Process Automation



Water treatment provider Ekopak makes industrial companies more sustainable with solutions by GF Piping Systems

The Belgian company Ekopak is specialized in portable water treatment and recycling. With its concept “Water as a Service” (Waas), it offers customers solutions such as containerized reverse osmosis systems which produce sustainable and clean water for industrial processes. The interoperable Process Automation solutions are provided by GF Piping Systems.

Project background

Companies in the manufacturing and production industries rely on large amounts of potable water for their processes. In order to treat this valuable resource as carefully as possible, Ekopak has developed containers that enable decentralized water treatment on site at the customer’s facilities. That not only preserves the environment but also gives companies full control over their water supply.

Selected technical solution

Ekopak chooses to implement complete solutions by GF Piping Systems, consisting of valves, controllers, actuators, and measuring technology. The company has two major requirements for the systems in the containers: Firstly, they have to guarantee a consistently high water quality under all circumstances – even if the quality of the supplied water varies strongly. Thanks to process automation, it is possible to control actuators remotely and to collect and analyze data. At the same time, the systems need to be compact and light enough to be transported to the customer in a container. By using modern plastics, the solutions by GF Piping Systems make an important contribution.

Achieved improvement

With in-depth experience in the field of Process Automation, GF Piping Systems offers a broad range of components that close the control loop and lead to more efficient systems as well as more sustainable processes. This way, Ekopak can monitor and control the water quality of their customers round the clock. In addition, the valves and controllers made of plastic are lightweight and long lasting which reduces the logistical effort and the impact on the environment. As the piping systems are sourced from one provider, planning is kept simple, and GF Piping Systems can assist Ekopak in optimizing their containers.

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A water treatment skid is prepared by Ekopak in Belgium.



Pieter Loose, CEO of Ekopak and Bart Van Bastelaere from GF Piping Systems in front of an Ekopak container.

Customer benefits

- **Complete systems:** GF Piping Systems offers modern solutions for the entire control loop, from valves and actuators all the way to measuring technology and controllers.
- **One provider:** With a broad range of products and many years of experience, GF Piping Systems is a reliable partner who can assist throughout all phases of a project.
- **Sustainable projects and sustainable materials:** Piping systems made of plastic are corrosion-free, require little maintenance, and are cost-effective.

