

Smart Actuator

Remote control heat exchange system

Installing the Smart Actuator at GF Piping Systems Schaffhausen

Interoperable and future-proof
smart actuation

The actuator that connects with you

As the leading flow solutions provider for the safe and sustainable transport of fluids, we are constantly working on innovating and improving our customers' piping system components – as well as our own. With the installation of the Smart Actuator on the roof of our headquarters in Schaffhausen, we opted for a future-proof and reliable way to control the heat exchange system for our production facility.

Project background

Two heat exchangers are operated on the roof of the production facility of GF Piping Systems in Schaffhausen to reduce our carbon footprint. The butterfly valve controls which of the heat exchangers is currently in use. Checking in on the infrastructure in remote areas decreases work efficiency and increases safety hazards for our employees. With the introduction of our Smart Actuator, we did not hesitate to install the latest innovation on our roof, thus simplifying the interaction between personnel and actuator immensely.

Selected technical solution

Commissioning and installation are as easy as it gets thanks to Near-Field Communication (NFC) and WiFi connectivity. Thanks to simple and intuitive operation, employees are guided through the free Smart Actuator app. With the app, even first-time users can quickly and efficiently check the operating status and cycles directly on site. This ensures increased transparency and security. The Smart Actuator is perfectly equipped for permanent outdoor use thanks to corrosion-resistant plastics, IP67 water resistance, and integrated heating for cold Swiss winters.

Accomplished improvements

Thanks to the Smart Actuator's LED lights, elaborate control rounds on the roof are a thing of the past. The app offers another decisive advantage. The WiFi module's range easily extends into the office or the control center of the cooling system. Therefore, the actuator status can be easily checked by the app. The operator is also interested in finding out to what extent a valve in such circuit ages noticeably or not. By using the app, diagnostics are carried out quickly and easily.



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360° LED status display facilitates checking the current state of the actuator.

Customer benefits

- **Efficient: remote status control**
- **Safe: no unexpected downtimes and decrease of employee risks**
- **Digital: future-proof piping systems and interoperable components**



Scan the QR code for more information

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