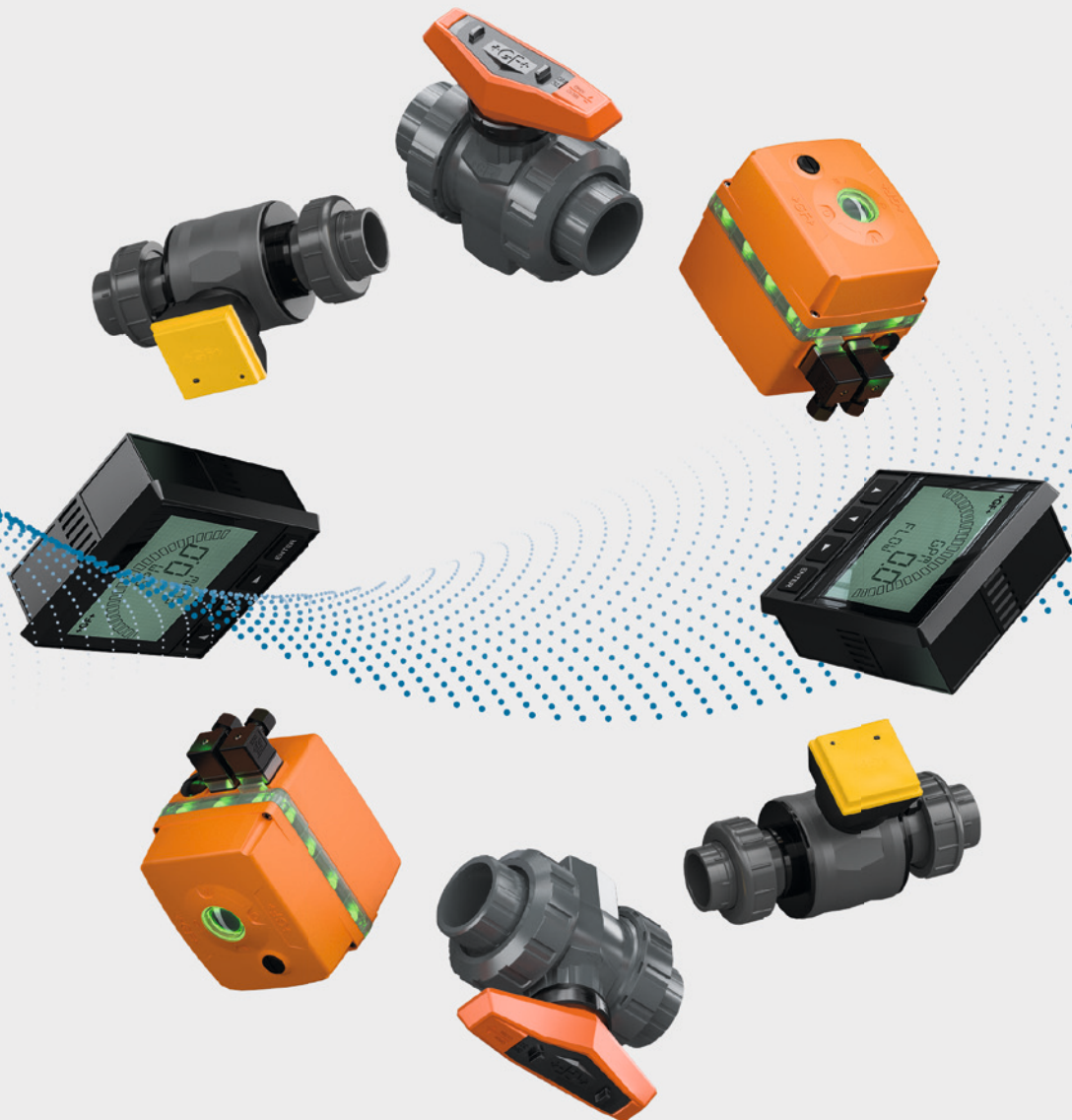
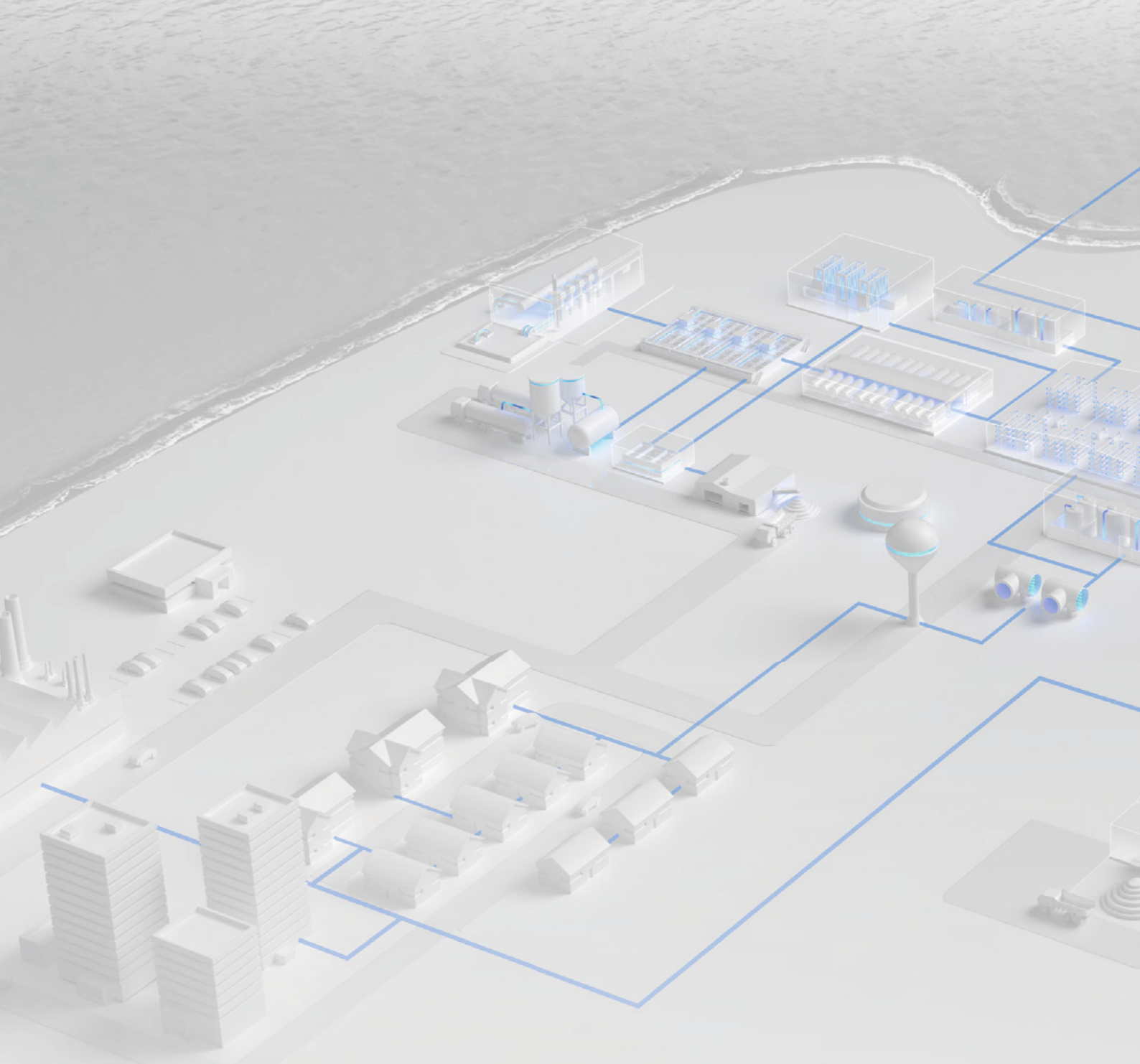


Together as one

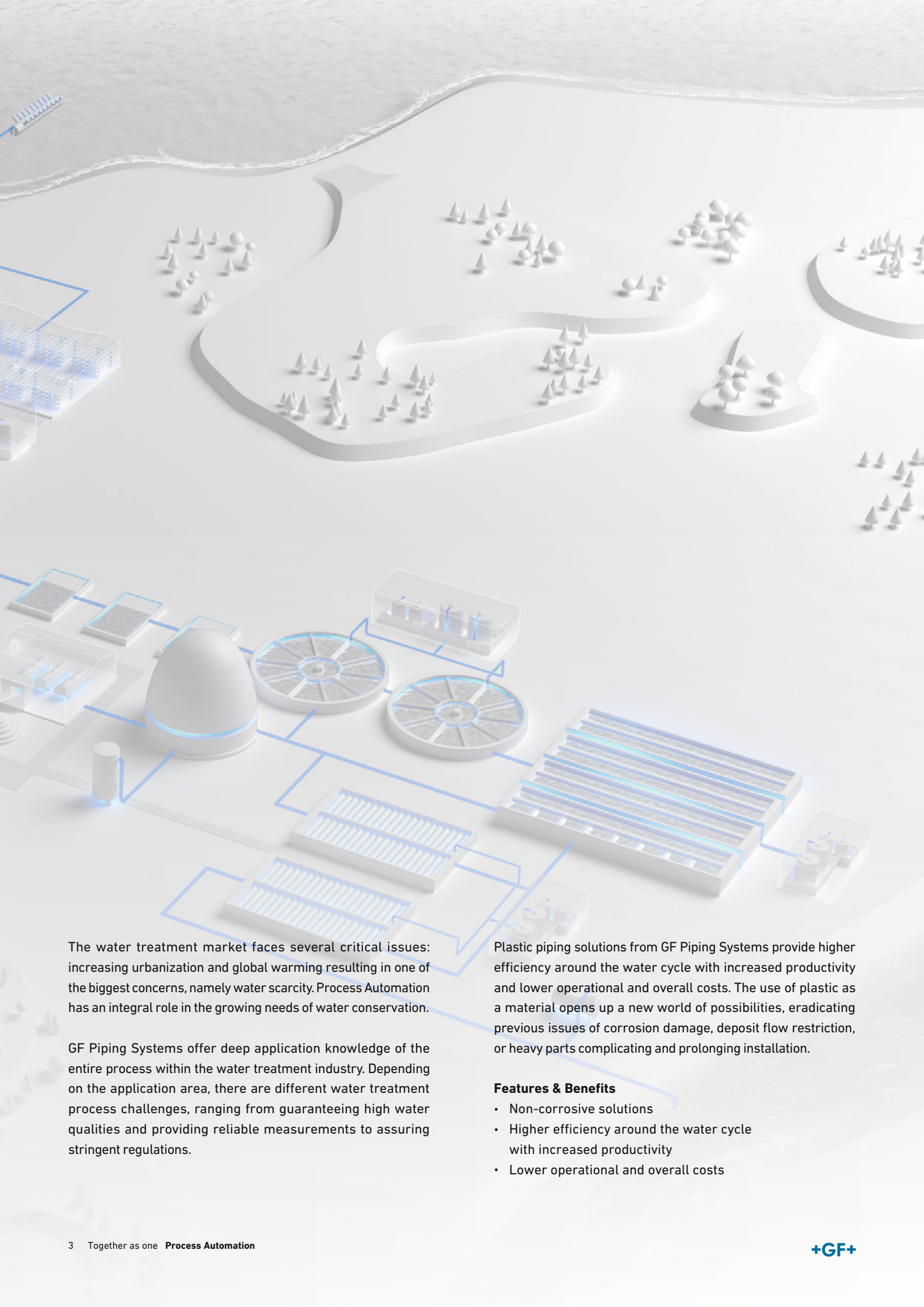
Process Automation





Process Automation

**A true partnership
with unified vision
towards active water
conservation.**



The water treatment market faces several critical issues: increasing urbanization and global warming resulting in one of the biggest concerns, namely water scarcity. Process Automation has an integral role in the growing needs of water conservation.

GF Piping Systems offer deep application knowledge of the entire process within the water treatment industry. Depending on the application area, there are different water treatment process challenges, ranging from guaranteeing high water qualities and providing reliable measurements to assuring stringent regulations.

Plastic piping solutions from GF Piping Systems provide higher efficiency around the water cycle with increased productivity and lower operational and overall costs. The use of plastic as a material opens up a new world of possibilities, eradicating previous issues of corrosion damage, deposit flow restriction, or heavy parts complicating and prolonging installation.

Features & Benefits

- Non-corrosive solutions
- Higher efficiency around the water cycle with increased productivity
- Lower operational and overall costs

Together as one

Process automation made easy

We use our knowhow and experience of the complete control loop to solve the entire process challenge. Enabling the design, selection and installation of Process Automation systems. With Process Automation, GF Piping Systems can supply every customer not just with highest quality parts but with an interoperable all-in-one solution.

One provider

We are the complete process control loop provider, not just a single valve, sensor, display, or controller, specifically customized to customer needs, a premium product range under one common aesthetic.

One partner

A partner team for quality and total system provision, a single point of help across all aspects, actively manage change, constantly innovating, and delivering complete peace of mind.

One process

Design, Select, Install and Own your infrastructure via a seamless sales process with customization capabilities and easy ordering.

One platform

Futureproof your entire piping system with intelligent integration, gain insight and efficiencies all effortlessly across the entire install.



A four step approach

One user experience throughout the whole project journey

GF Piping Systems is your experienced partner with a full portfolio of measurement, control, and actuation components, which are easy to install and use and have local support through all project phases.



01.

Design (Planning phase)

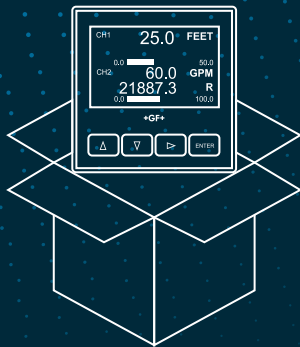
Easy planning thanks to application-specific solutions making an effortless combination around the complete control loop.



02.

Select (Ordering phase)

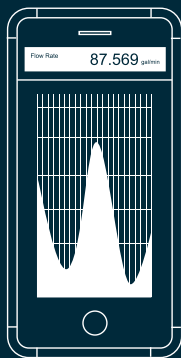
Easy to select and order via configurators and matching components throughout the whole portfolio.



03.

Install (Building phase)

Easy installation and calibration with intuitively designed products; Finding the right product upon delivery - our packaging will guide you.



04.

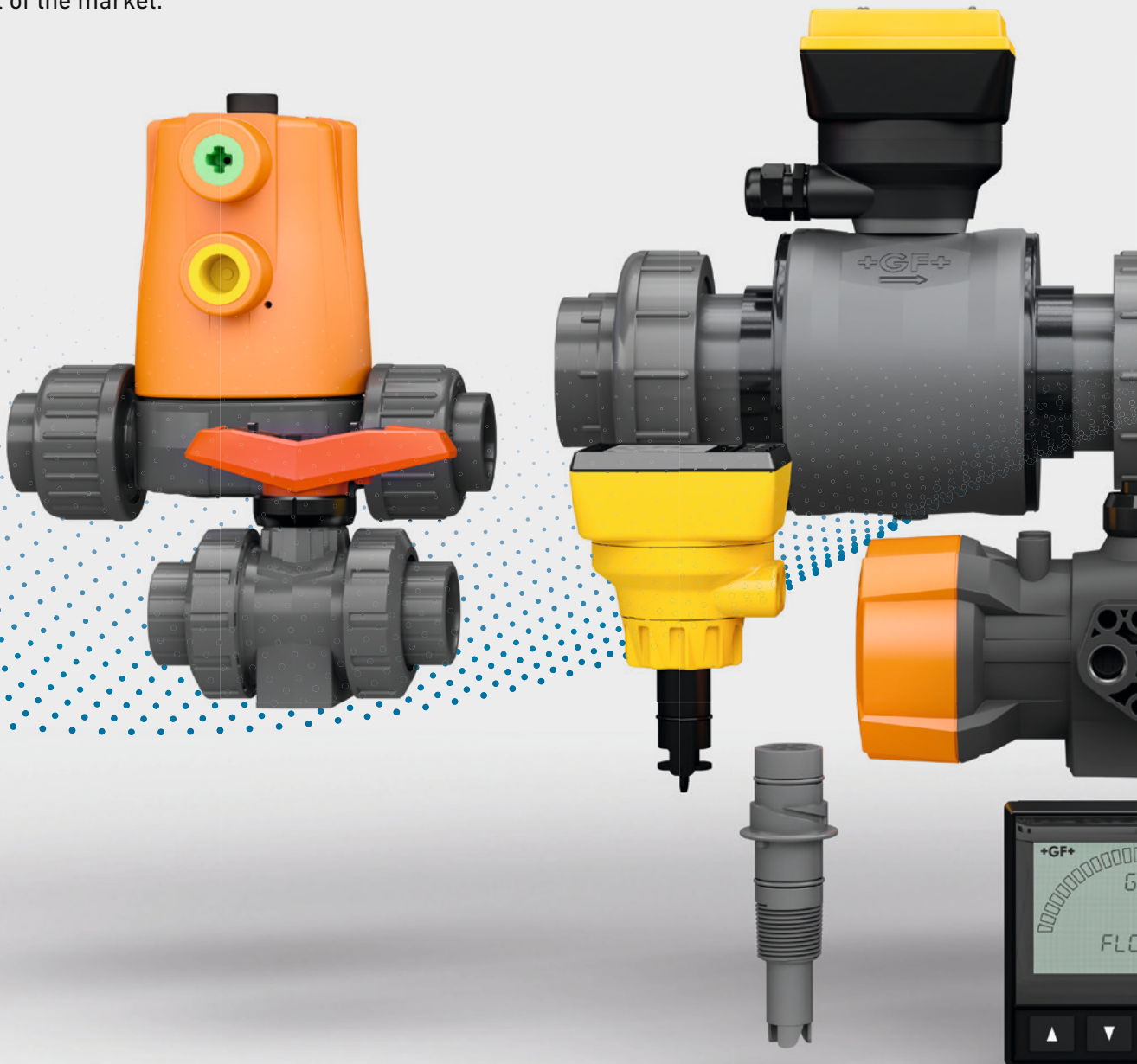
Own (Operating phase)

Easy monitoring once installed, including spare part availability. Long lifetime and low maintenance make for low downtimes.

Product range

The complete control loop

We offer the full package with our products and solutions, providing top-quality installation, a highly skilled team of experts standing by our customers' side every step of the way worldwide, and digitalized services ensuring a project is at the forefront of the market.



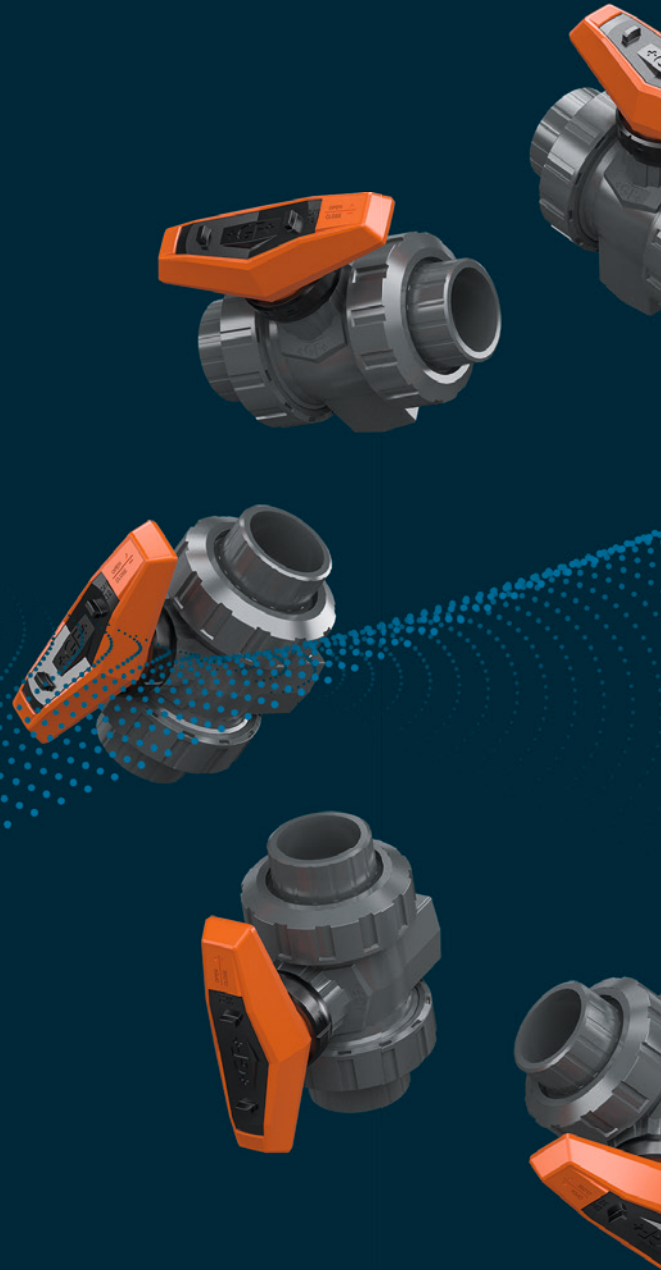


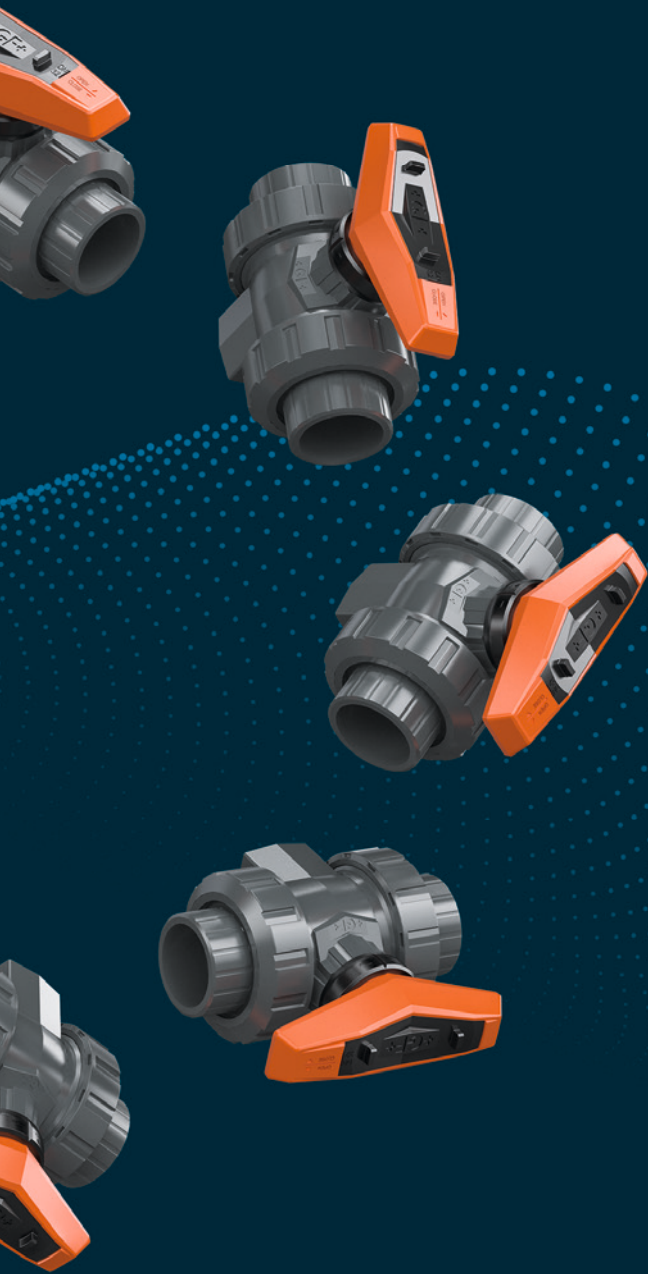
One system solution provider

One provider

The right valve for your application

We offer one of the most comprehensive valve product ranges, enabling you to find the right match for your application. Our valves are available in various dimensions, materials, chemical resistances, standards, actuation, operation principles, and pipe connections designed for long service life. Combining the right valve selection and our high product quality leads to a favorable total cost of ownership.





Solutions provider

We are the complete process control loop provider, not just a single valve, sensor, display, or controller, specifically customized to customer needs, a premium product range.



End to end

We add value to our customers with our attractive, effortless, simple, and easy-to-use high-end products across the entire application process.



Closing the loop

The perfect handshake from the sensor to the actuator. System integration for more efficiency in the work process with minimal manual intervention, faster set-up times, and easy diagnosis.

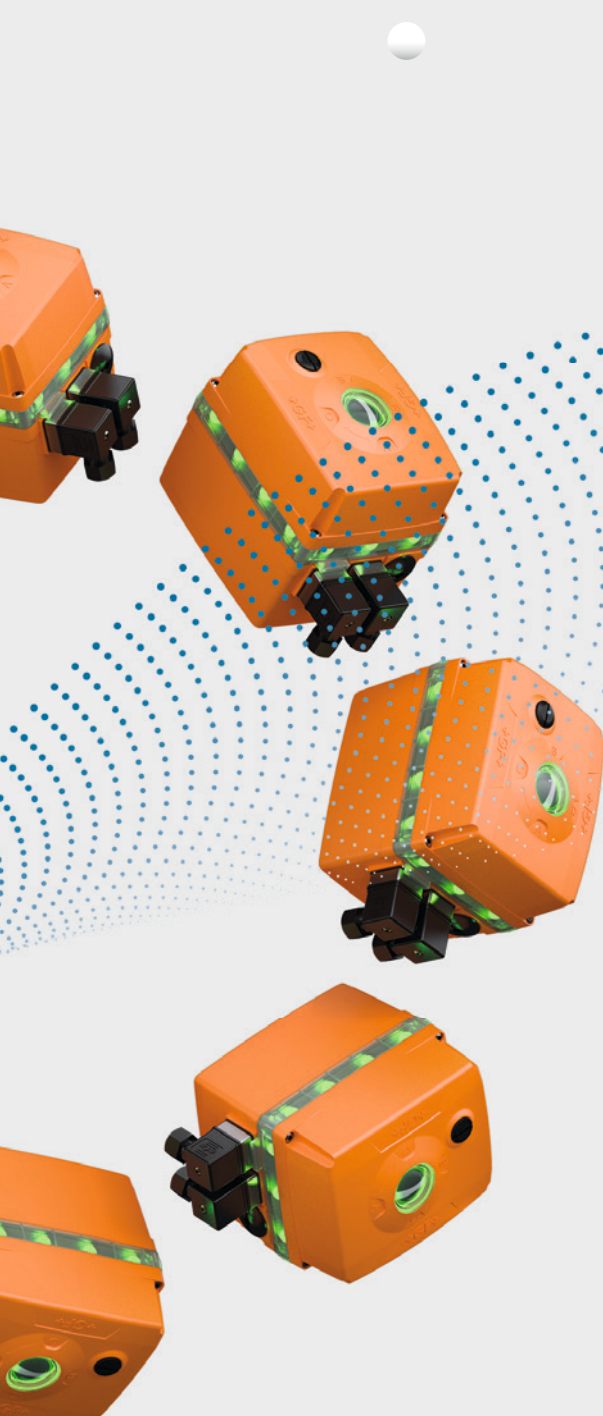
One trusted partner

One partner

Reliable actuation with configuration flexibility

With our modular set-up, valves and actuators can be combined flexibly, and additional functionalities, like positioners or monitoring devices, can be added optionally. Naturally, we offer a whole range of all-plastic designs, which are capable of withstanding harsh environments. A wide range of pressure regulating valves and accessories complete our actuation portfolio.





Expertise

Deep application knowledge of the entire process. With business expertise from within the water treatment industry.



Brand value

Trust in world-leading experts in piping solutions, Swiss design, and quality engineered products that give assurance across your networks.



Trusted partner

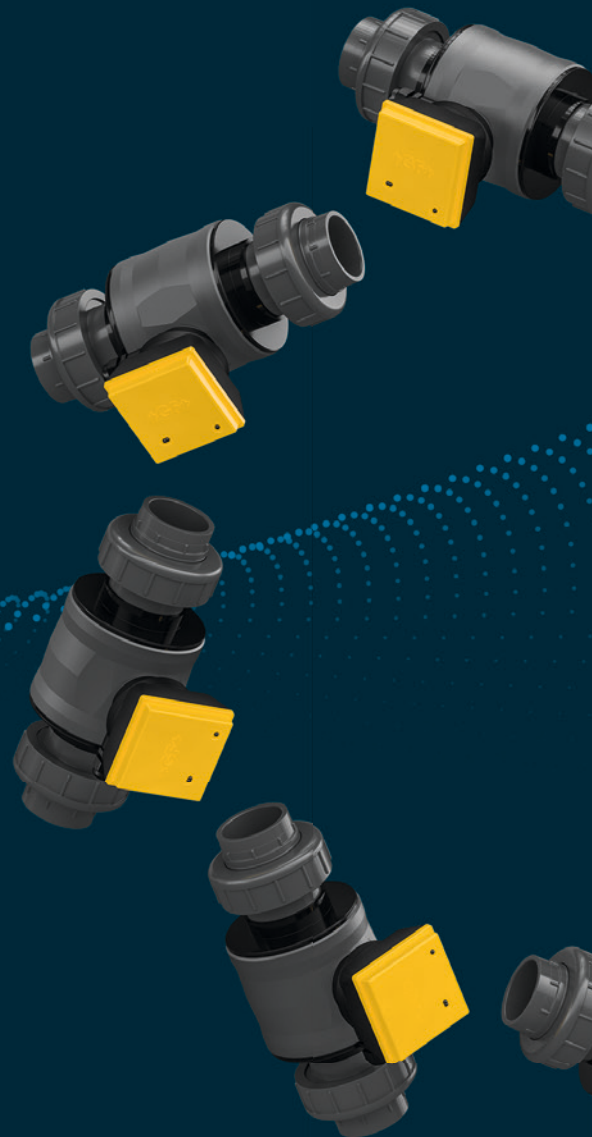
A partner team for quality and total system provision, a single point of help across all aspects, actively manage change, constantly innovating, and delivering complete peace of mind.

One user experience

One process

**Accurate measurement is the basis
for reliable process control**

Our measurement offering will cover your needs: flow, pH, conductivity, level, temperature, and various water quality parameters. Most sensors are available in plastic within our piping system solutions and are therefore highly resistant to chemicals. Our plug-and-play measurement products are self-explanatory, easy to maintain, and offered with suitable installation fittings.





Plug n Play

Simple "Plug and Play" - Process Automation solutions that make it easy to connect, monitor, and manage your field devices with our state-of-the-art technology.



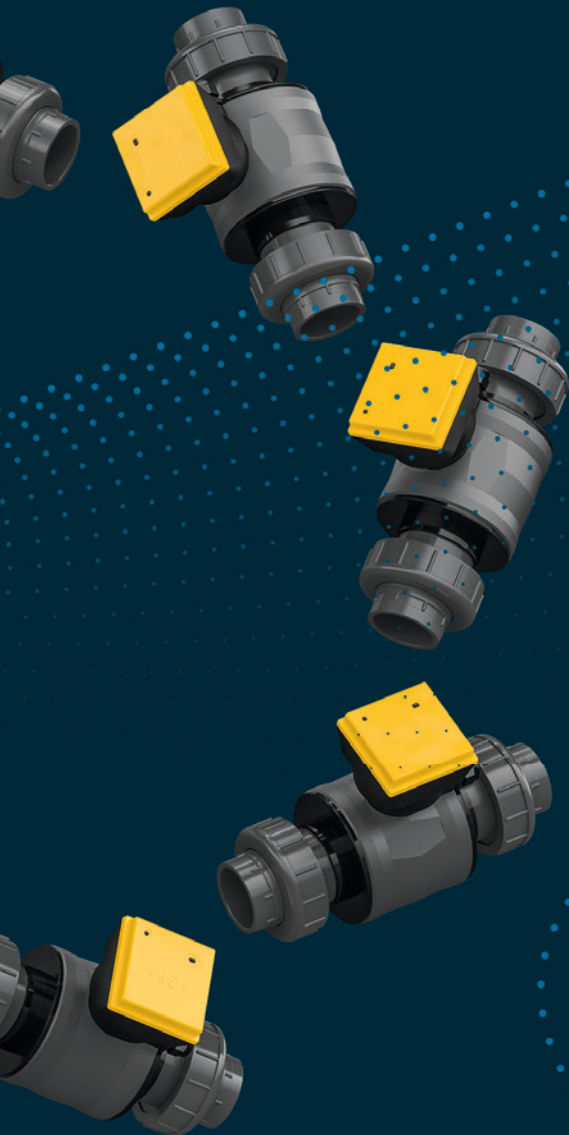
Ecosystem

Our intuitive and unified user experience integrates everything you need in one place. We give you the ultimate connectivity, ease of use, and familiarity across your ecosystem.



Customer experience

Select, Design, Install and Own your infrastructure via a seamless sales process with customization capabilities and easy ordering.



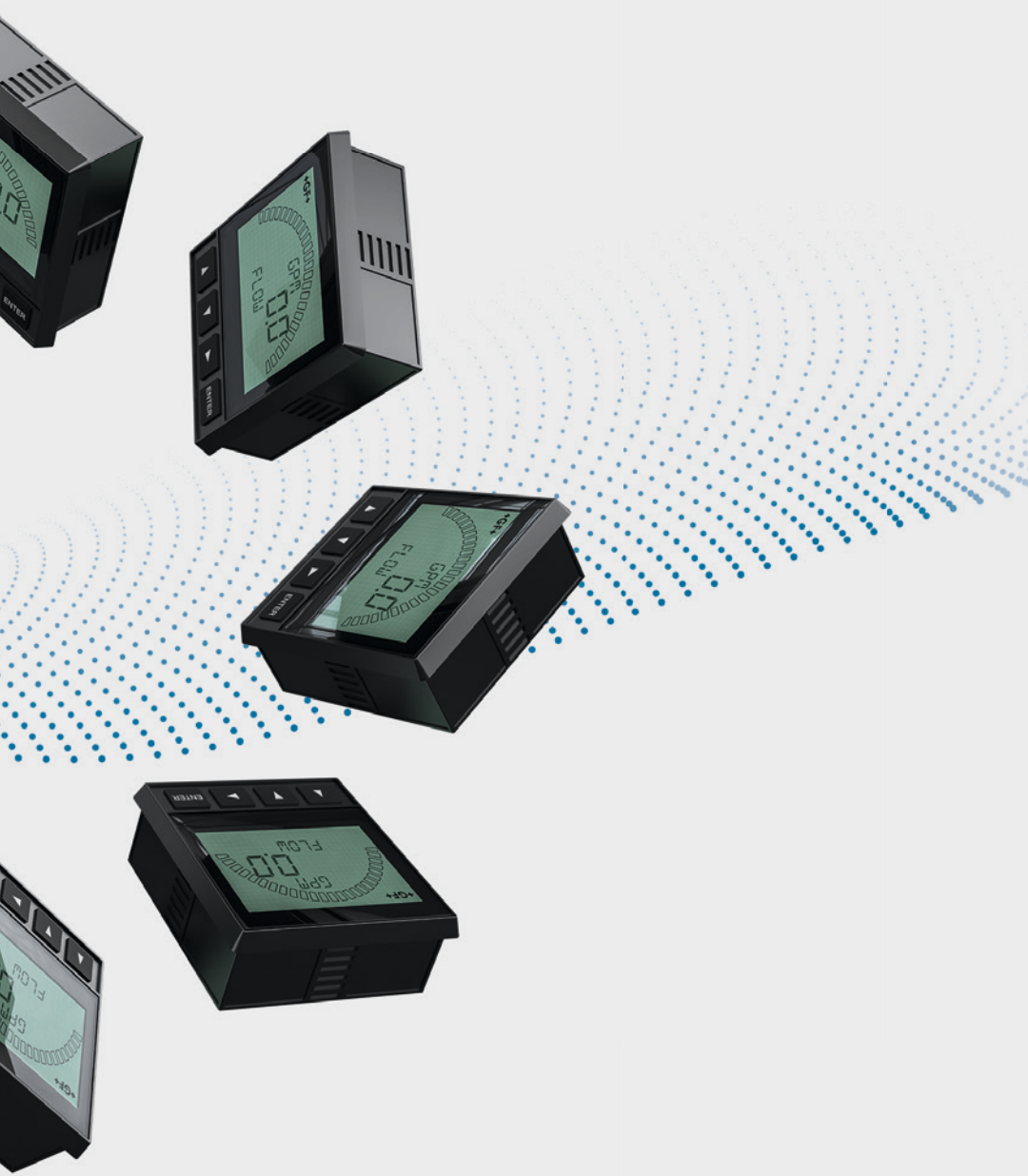
One centralised platform

One platform

Precise control throughout your automation loop

Thanks to the clever design, our control products make life easy. Each one is simple to operate, thanks to the intuitive menu structures, and all of our measurement parameters connect with the same transmitter, ensuring a true multi-parameter controller. Because of the modular design, you can add additional functionalities like batch control or communication technologies and upgrade at any time.





Smart IoT

Smart IoT empowers our products with automatic recognition and communication, allowing multiple devices to interact and feedback effortlessly, so they are constantly connected.



Data platform

Unified integration gives access to process and performance data that gives real value, helping to manage efficiency, reliability, and profitability accurately.



Digital transformation

Futureproof your entire piping system with intelligent integration. Gain insight and efficiencies all effortlessly across the entire install.

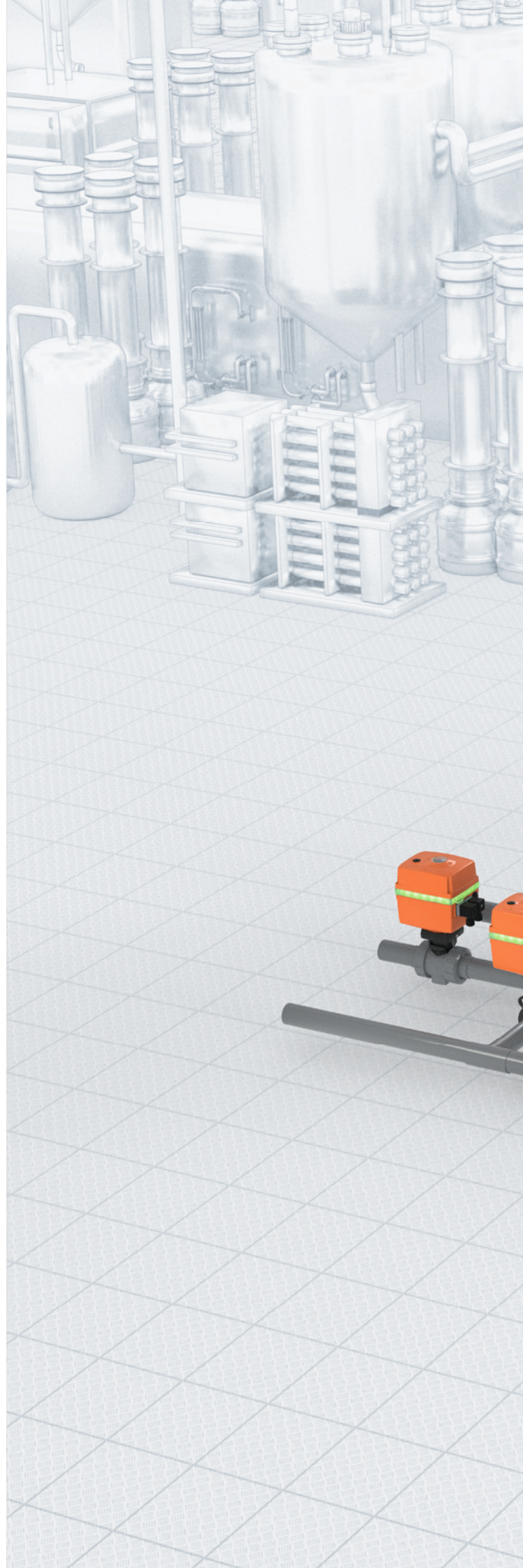
Application example

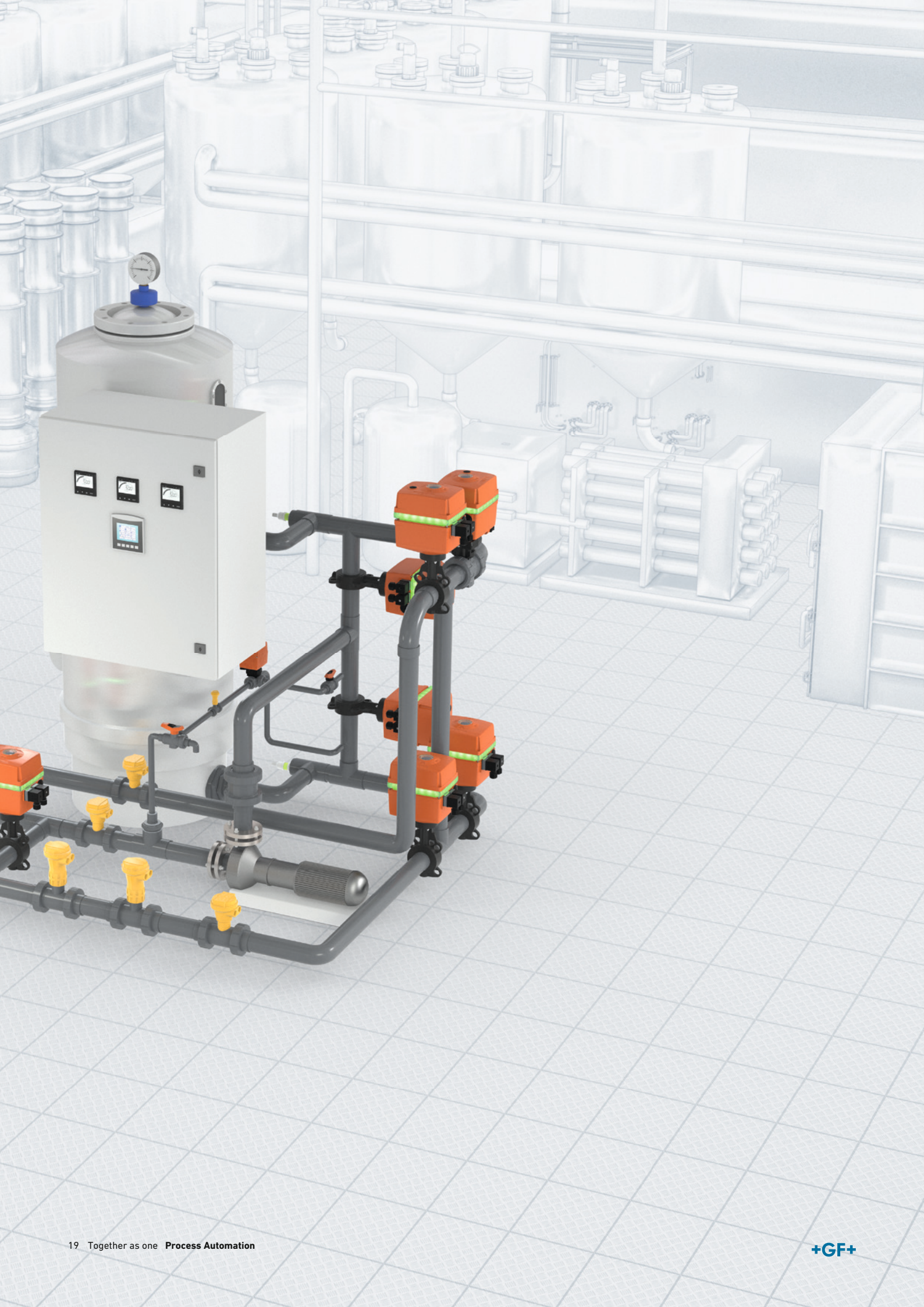
Media Filtration

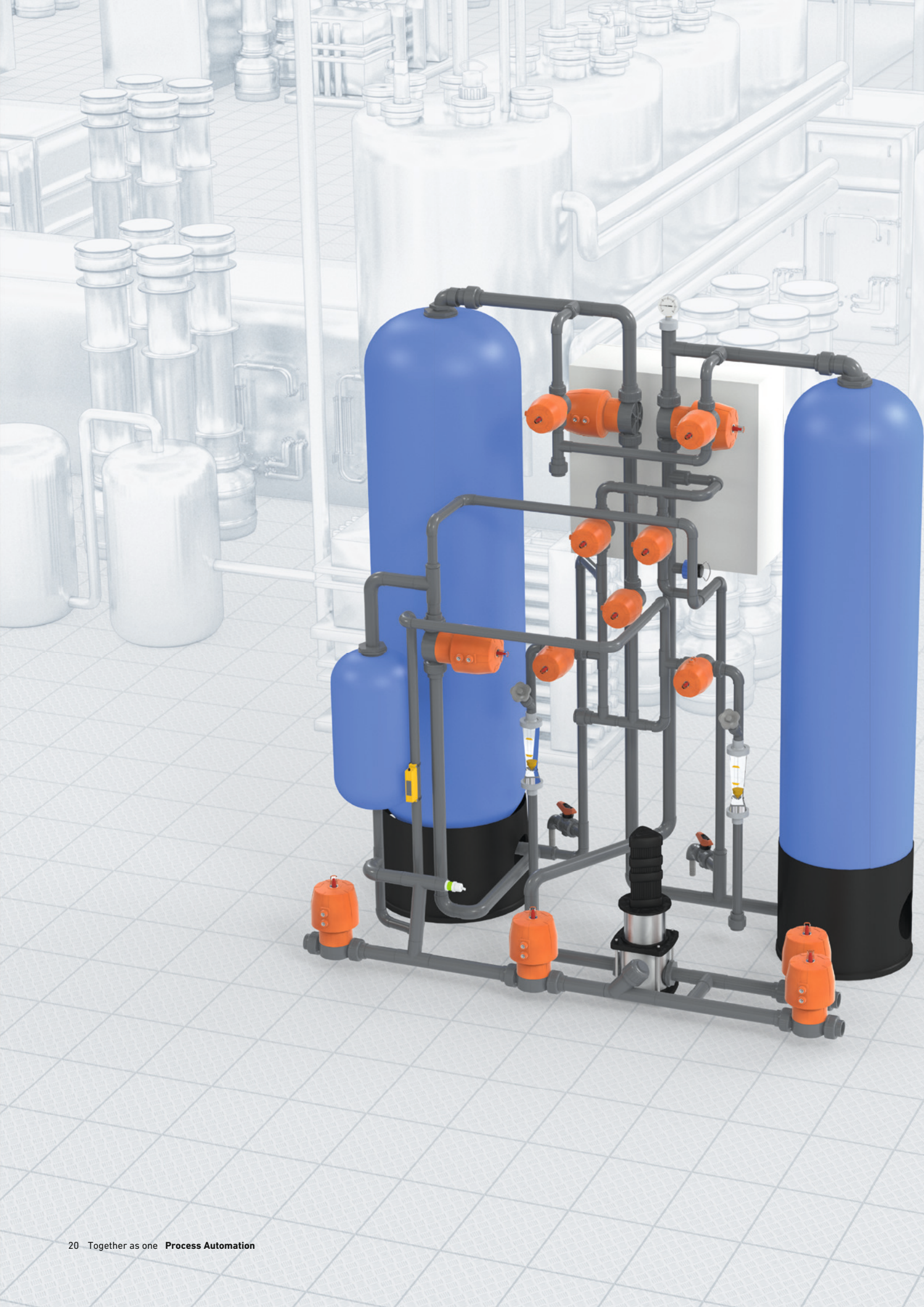
Classical sand filtration, also called media filtration, is still very much in use in water treatment processes. In the multi-level filtration processes, anthracite or stones, as well as sand, are used to remove particles up to 10-15 μm from fluids. Due to the need for several operation modes, application-oriented system solutions help to achieve these processes efficiently.

Your key benefits

- High reliability and process safety
- Your partner for all your automation needs
- Pre-assembly for fast installation
- Smaller carbon footprint









Application example

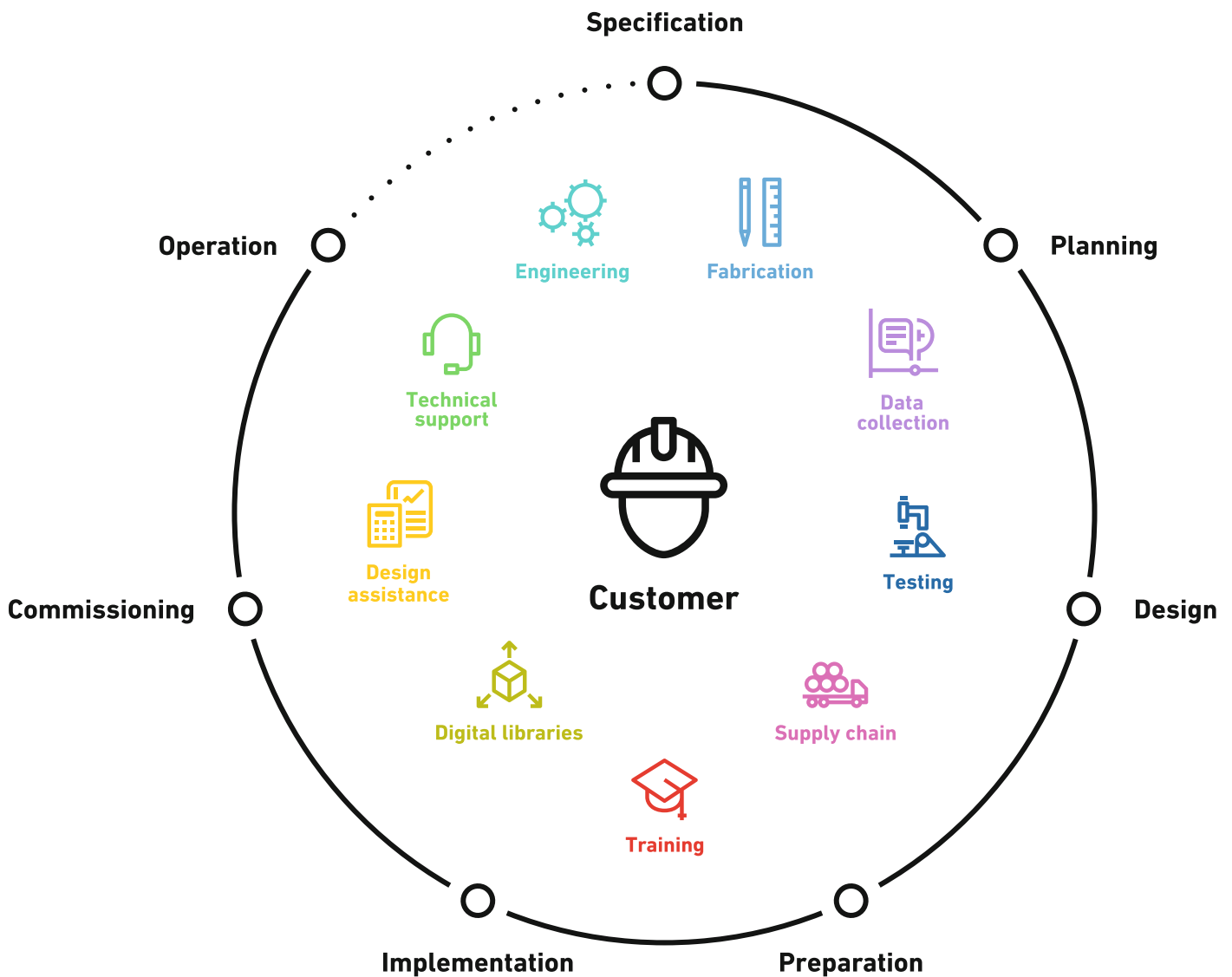
Ion Exchange

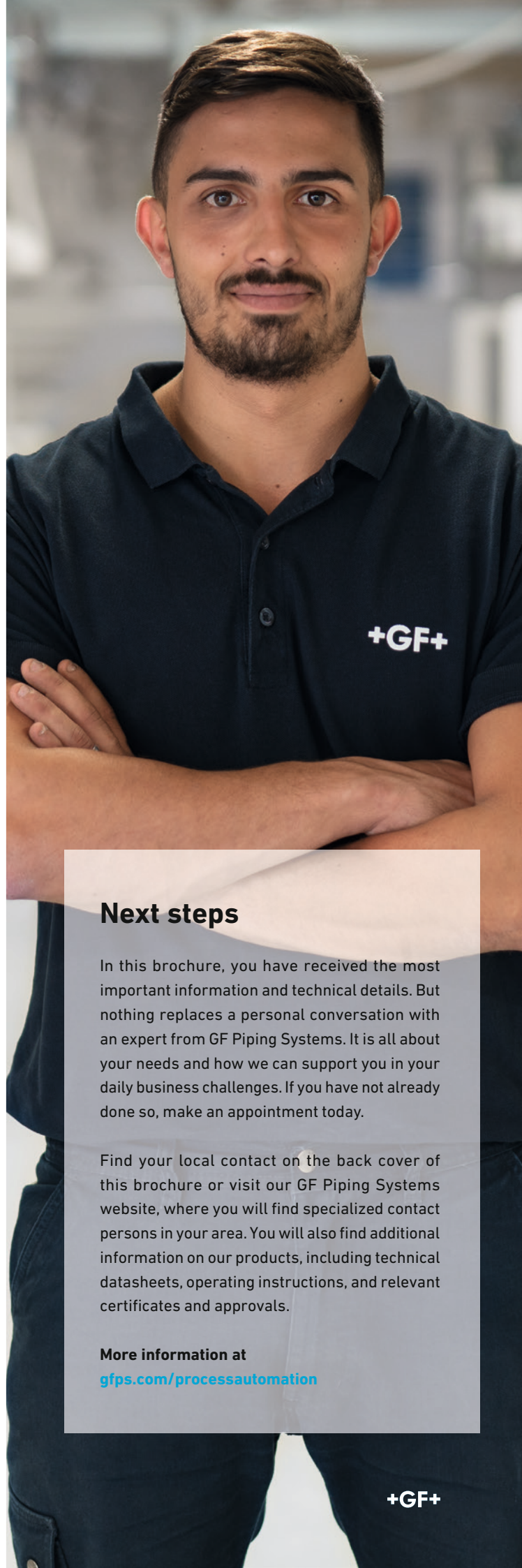
Demineralization units (deionization, reverse osmosis, distillation techniques) secure the production of pure high quality process water in the industrial environment. Water purification, separation and decontamination of aqueous and other ion-containing fluids characterize applications in that water treatment area. In this context, ion exchangers can absorb unwanted ions in the water, thanks to selective synthetic resin beads, and release them during a regeneration process. The compact construction of ion exchange plants requires flexible piping solutions and components. GF Piping Systems provides complete solutions of high-quality piping systems warranting a maximum of flexibility while ensuring an entirely safe plant operation with a maximum uptime.

Your main benefits

- All-in-one control loop solution provider
- In-house customizing
- Compact skids for fastest installation processes
- Lowest carbon and water footprint compared to steel systems

One partner from planning to commissioning





Ready when you are

With Specialized Solutions, the global leader GF Piping Systems provides project support every step of the way to achieve construction excellence. Allowing owners and planners to concentrate on their daily business without interruption.

Engineering

Increase the efficiency of your project with tailor-made analysis packages from GF Piping Systems. We can help to minimize project risks by diminishing incorrect calculations or wrong material selection. Rely on GF's experience in fast project implementation and chose our durable, safe, and reliable piping systems delivery. Established knowledge, guiding you through.

Digital Libraries

The libraries cover three key areas for designing, creating, and maintaining a project: Building Information Modeling, the Plant Design Software, and the CAD Library helping you reduce costs and construction times while ensuring design accuracy and integrity. Reduce time and effort while ensuring design accuracy and integrity.

Custom Product Design and Prefabrication

Focusing on your individual needs and application, GF's customizing teams forge tailored solutions, developing custom-made parts to complete systems or special solutions produced in small series, individual consulting, and off-site prefabrication. Through our global network, we offer a wide range of comprehensive solutions. Tailored innovation, inspired by you.

More information at

gfps.com/specialized-solution

Next steps

In this brochure, you have received the most important information and technical details. But nothing replaces a personal conversation with an expert from GF Piping Systems. It is all about your needs and how we can support you in your daily business challenges. If you have not already done so, make an appointment today.

Find your local contact on the back cover of this brochure or visit our GF Piping Systems website, where you will find specialized contact persons in your area. You will also find additional information on our products, including technical datasheets, operating instructions, and relevant certificates and approvals.

More information at

gfps.com/processautomation

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