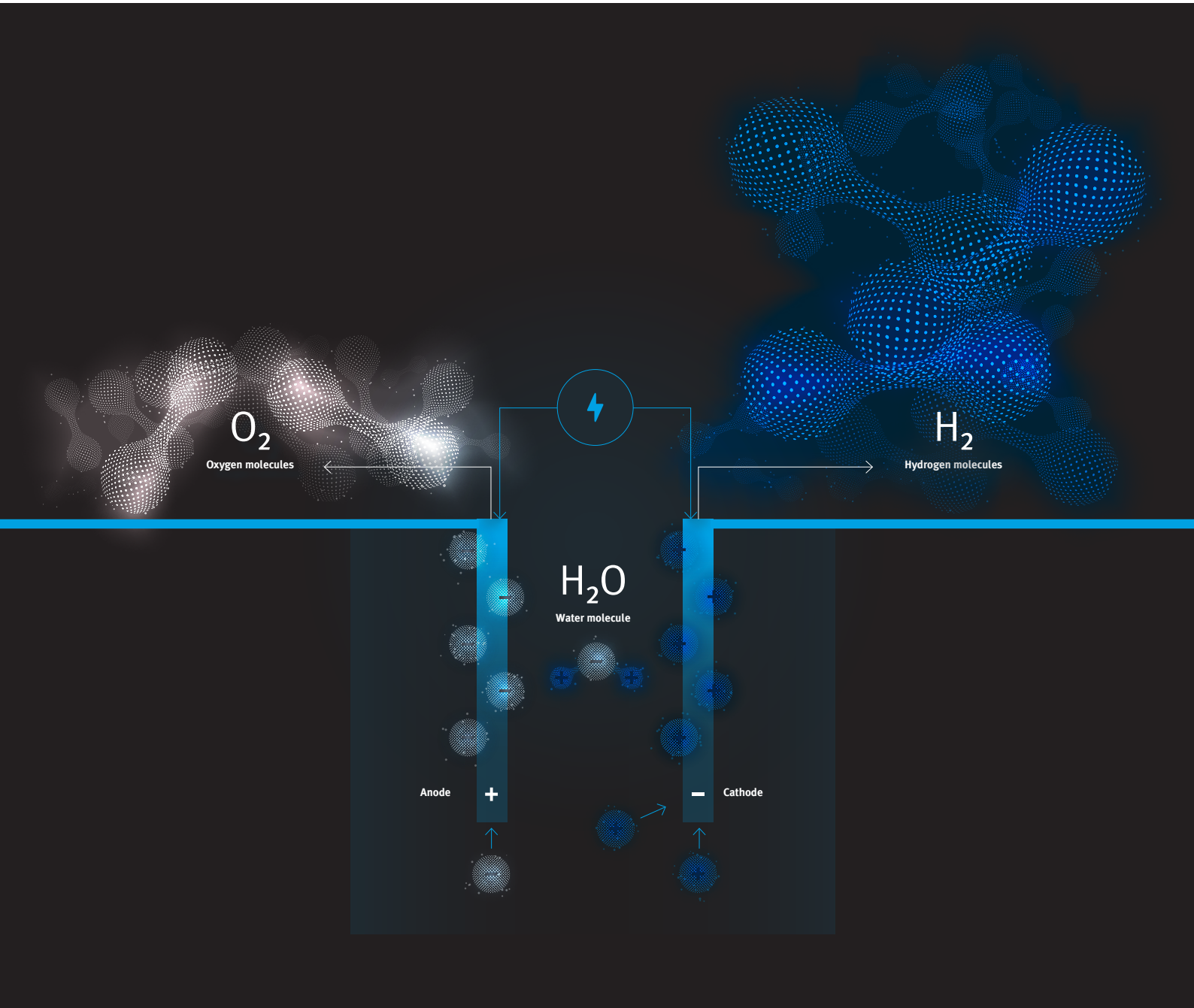


Automation solutions for green hydrogen production

FESTO

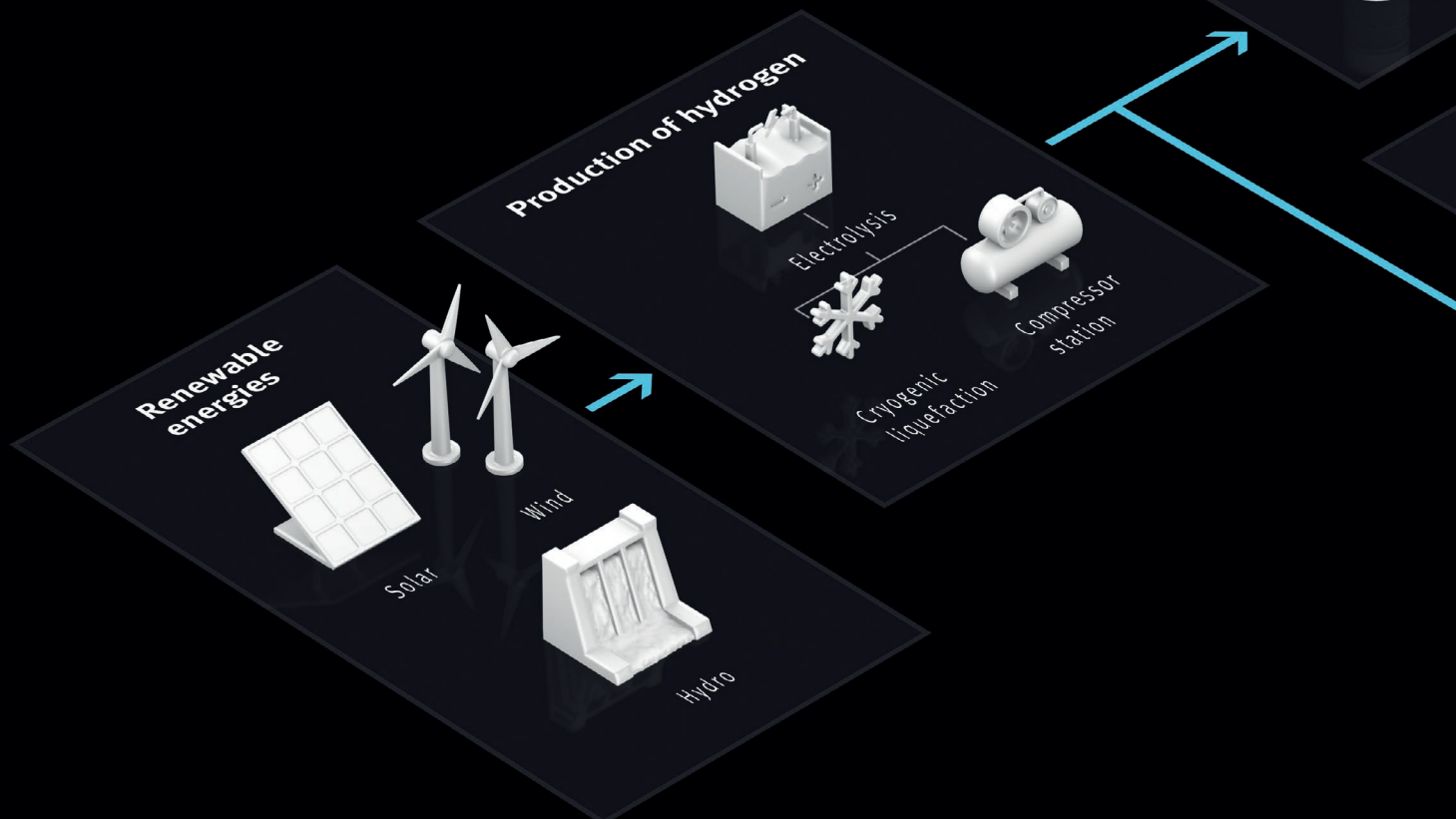
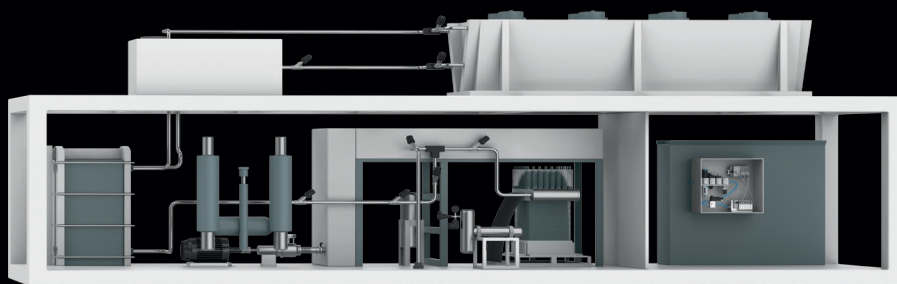


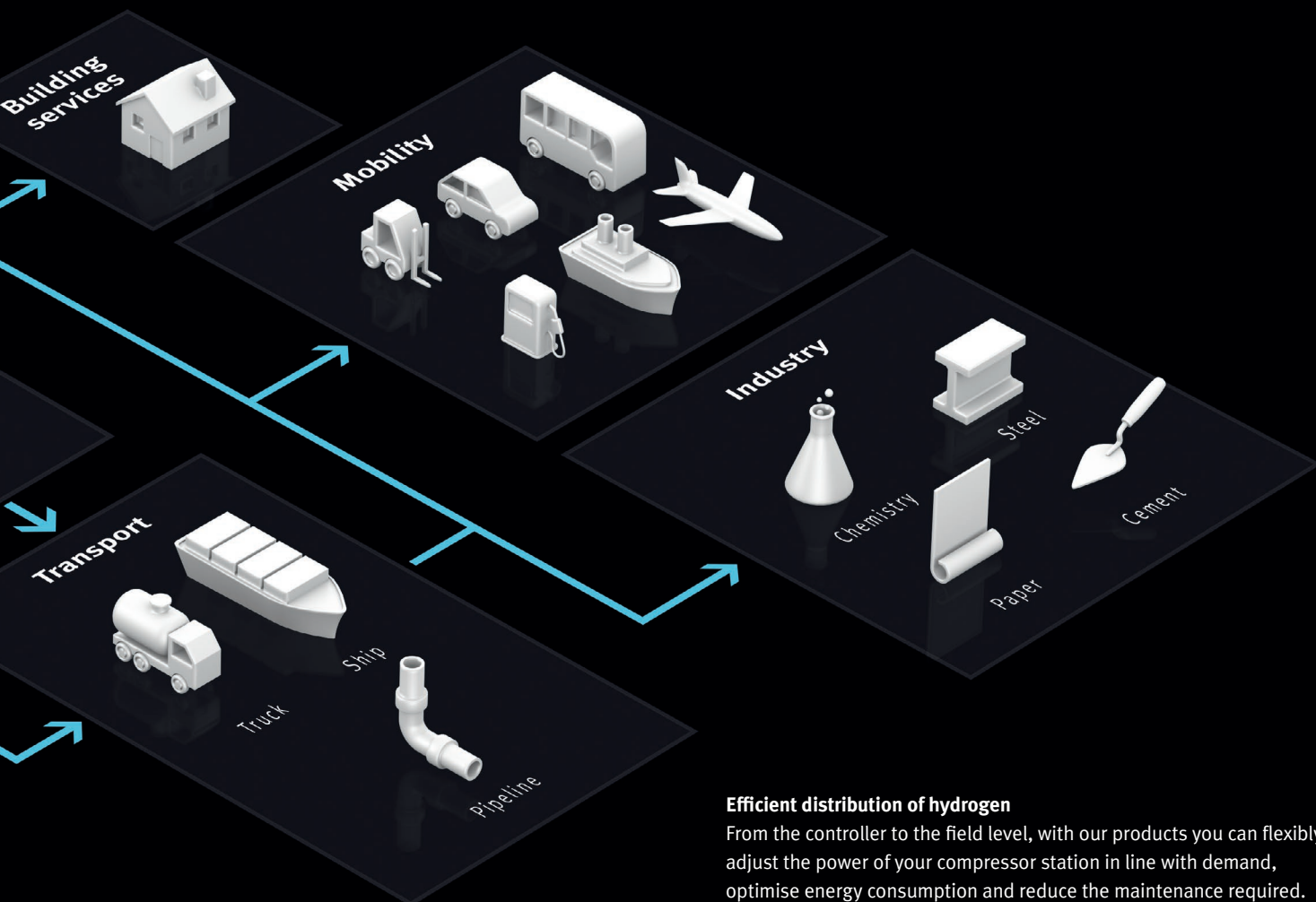
Green hydrogen for a sustainable future

A successful transition from fossil fuels to renewable energies is essential to achieve the goal of “net zero”. In energy-intensive production facilities such as those in the chemical, steel and cement industries, therefore, sustainably produced hydrogen is playing an increasingly large role. Of key importance here is that the gas is harvested using electricity from renewable resources; however, at the same time the process must be as efficient as possible and, above all, safe. We support you with reliable automation solutions along the entire value chain.

Safe production of hydrogen by electrolysis

With us, efficiency and functional safety go hand in hand. Improve the performance of your electrolyser using our automation solutions. We offer a broad portfolio of SIL-certified components that are approved for use in potentially explosive atmospheres.





Efficient distribution of hydrogen

From the controller to the field level, with our products you can flexibly adjust the power of your compressor station in line with demand, optimise energy consumption and reduce the maintenance required. The safety of the system remains guaranteed at all times.





“The sustainable generation of energy is one of the greatest challenges of our time – and green hydrogen is one aspect of the solution. As a sustainable company, we not only look inward, but also at the needs of our customers. If you are looking to automate hydrogen production in a safe, efficient way, we are here for you! With comprehensive advice from our experts, a product portfolio designed for potentially explosive environments, and our passion for this vital issue, success is guaranteed as you take your next step into a green future.”

Alexander Vargas
Head of Global KAM and ISM Process Industries

Production, infrastructure and use of hydrogen: our portfolio for safe operation and standardised processes

Fieldbus module CTEU

Providing the connection between decentralised valve technology and fieldbus – versatile and easy to use.



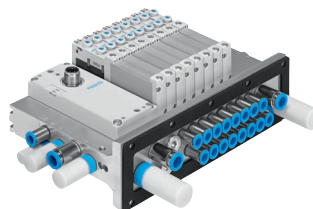
Terminal CPX

Modular and flexible automation platform with integrated diagnostics and maintenance function.



Valve terminal VTUG

Optimised for space-saving installation in the control cabinet. Straightforward installation and configuration.



Valve terminal MPA-S

Versatile valve terminal with integrated serial communication, function integration and diagnostics management.



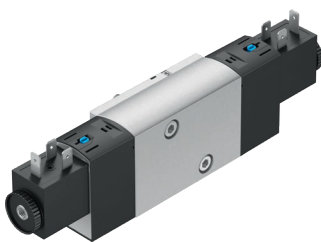
MS series

Service units for a wide range of applications – preassembled or can be configured individually.



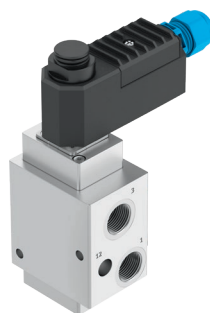
Solenoid valve VSNC

Versatile NAMUR solenoid valve with variable interface, lasting quality and explosion-protection certification.



Solenoid valve VOFC

Piloted solenoid valve with excellent safety concept, suitable for universal use.



Proportional-pressure regulator VPPM

Piloted pressure regulator with integrated sensor for fast commissioning.



Ready-to-install solutions

Secure your productivity advantage with ready-to-install process valve units or preassembled control cabinets, and benefit from our complete solutions with simplified commissioning and reduced installation time. You will receive all components from a single source – perfectly coordinated and tailored to your needs.

