





2-3 MAYIS **2024**





Festo San.ve Tic.AŞ.

FESTO

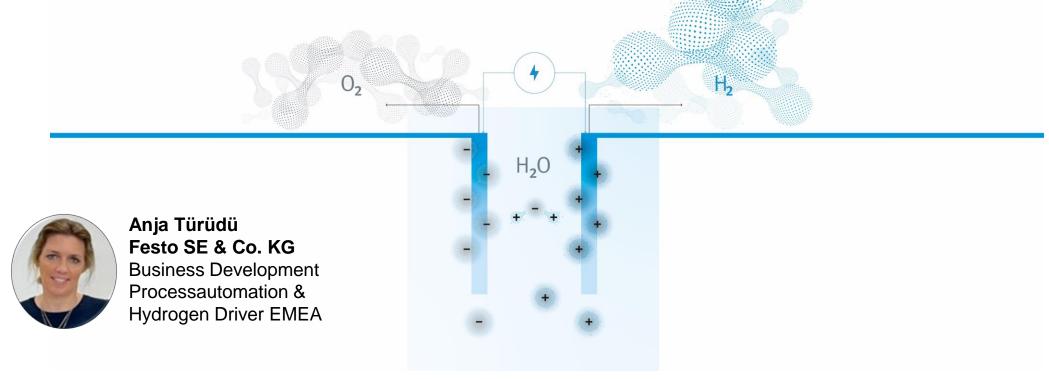
Automation concepts from control to field level to simplify and upscale electrolysers







Automation concepts from control to field level to simplify and upscale electrolysers



Meet us at our

stand













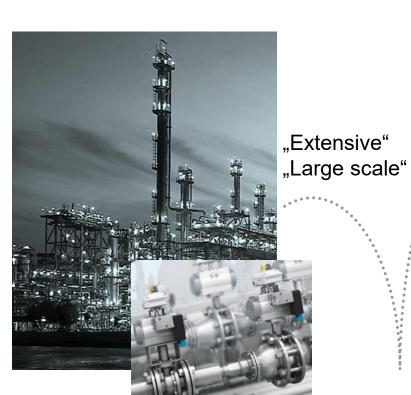


Automation





Is typical plant engineering technology the right approach to automate your equipment?



"compact skid design" "modular and scalable"



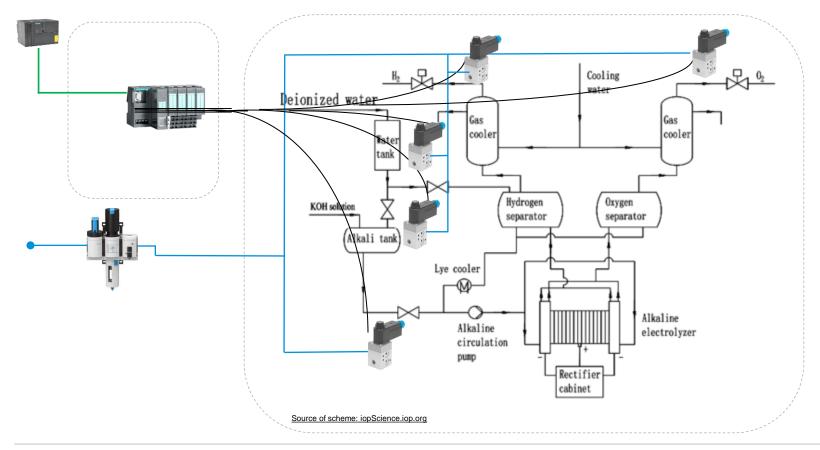
Is a different concept necessary to find the most efficient and cost-effective automation architecture?







Automation of Electrolysers acc. to large plant design with single pilot valves



Decentralized control of process valves

- The pilot valves are assembled at the actuator of the process valves
- The pilot valves are controlled from the PLC/DCS or viva output cards on a Remote I/O

When does that kind of installation make sense?

 Especially in extensive plants where the process valves are widely spread, and no modularity is requested

Disadvantages

- High Capex cost for wiring of each single valve
- Time consuming installation & commissioning which increases your time to market

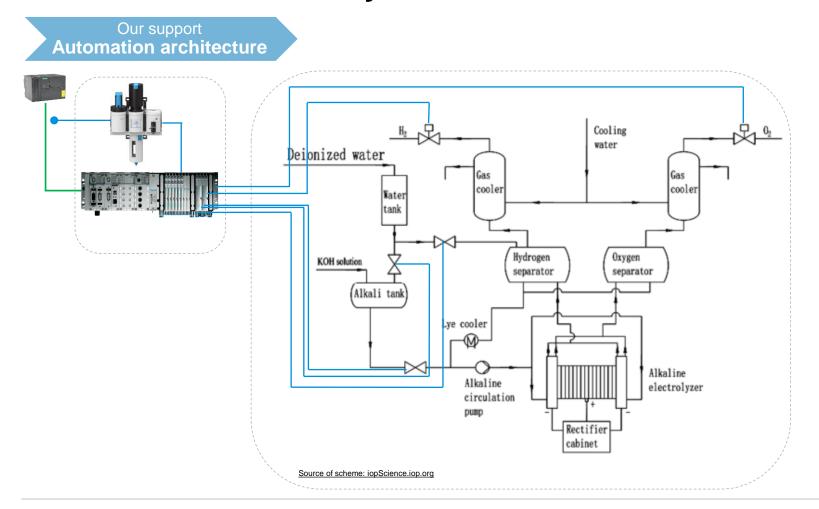
High Oney cost due to complicated







Automation of Electrolyser I BoP with valve terminal



Centralized control of process valves

- Centrally located pilot valves on the valve terminal in the control cabinet
- The valve terminal is connected to the PLC/DCS via fieldbus and can operate as Remote I/O

When does that kind of installation make sense?

 Especially in skids where you have a high density of process valves

Advantages

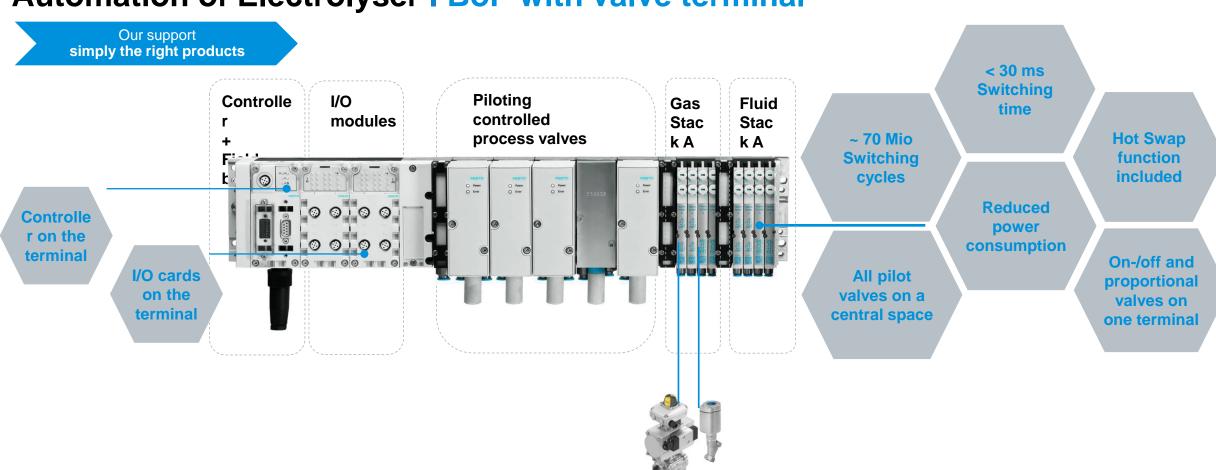
- Simplified Installation shortens production time as well as commissioning time
- Centralized cabinet offers easy maintenance of most components
- Digitalized solutions offer optimized process
 control and ensure stable processes





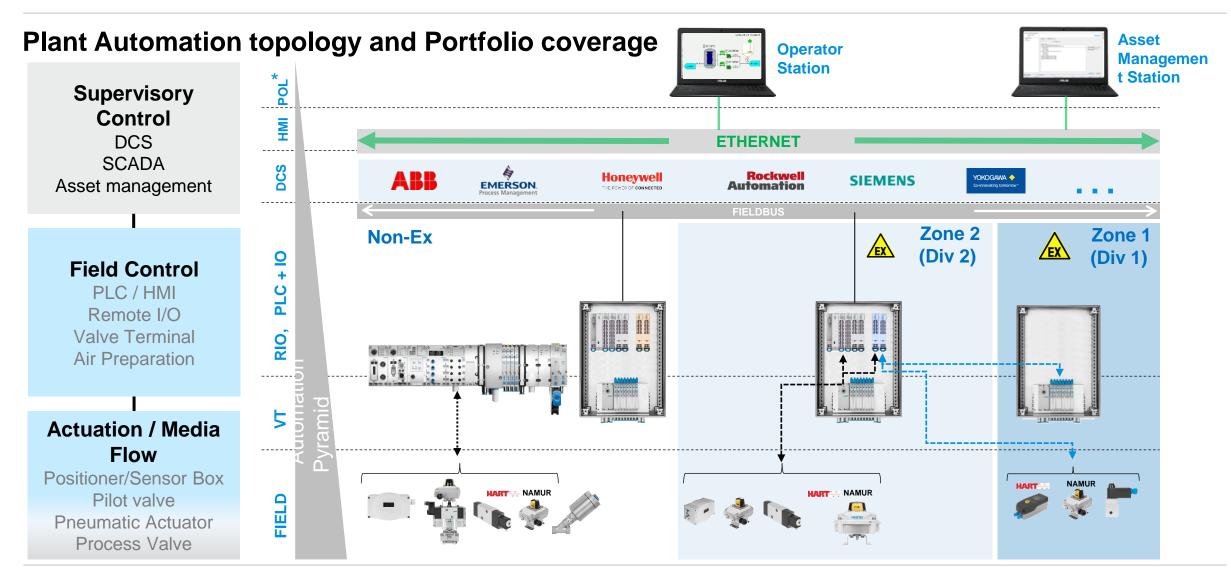


Automation of Electrolyser I BoP with valve terminal















$\langle \epsilon_x \rangle$

Productgroup | Control cabinets





Perfect designed cabinets

According to your needs individually designed, preassembled, tested and delivered

Adapted according to your requirements

available EX-Zone 1/21 or 2/22 up to IP65 Including realized safety concepts

Projectmanagement at Festo

Preassembled Units (one Order No.)

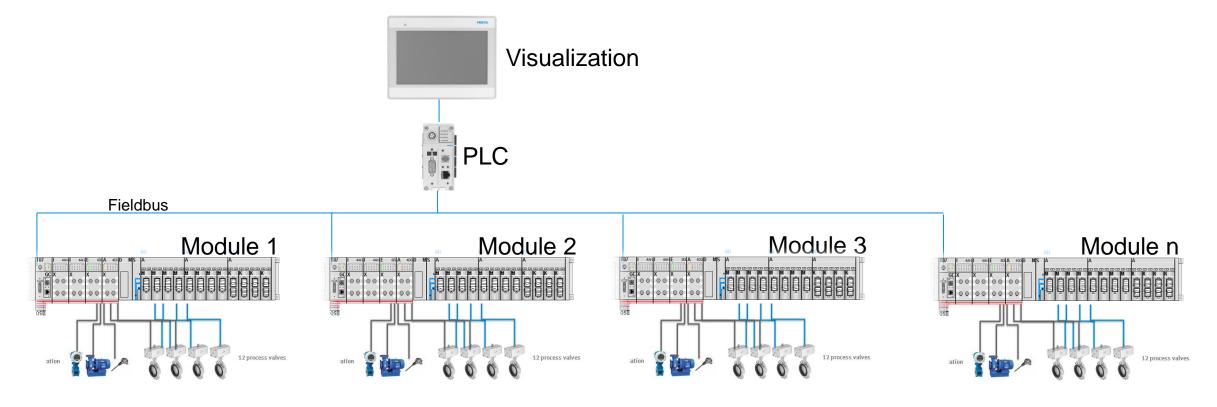
Detailed Documentation covering complete system







esto Modular Concept on a modular system architecture

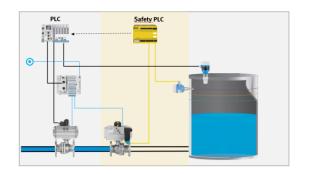


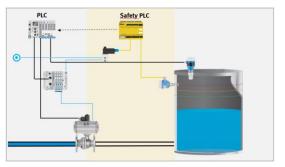


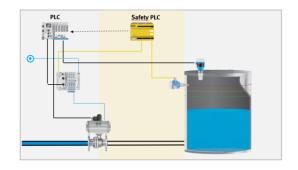


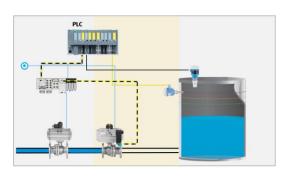


Functional safety – concepts and products









Our support for your SIS (Safety Instrumented System)

- Products with SIL certificates / SIL manufacturer's declarations
- Different concepts for using our valve terminals to increase safety and availability in your safety architecture



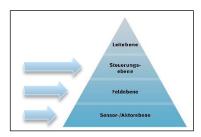






More than just products ...





Automation concepts from control to field level



Industry segment specific solutions



Global presence



Sustainability in Automation + energy efficiency



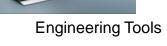
SIL applications



Explosion protection



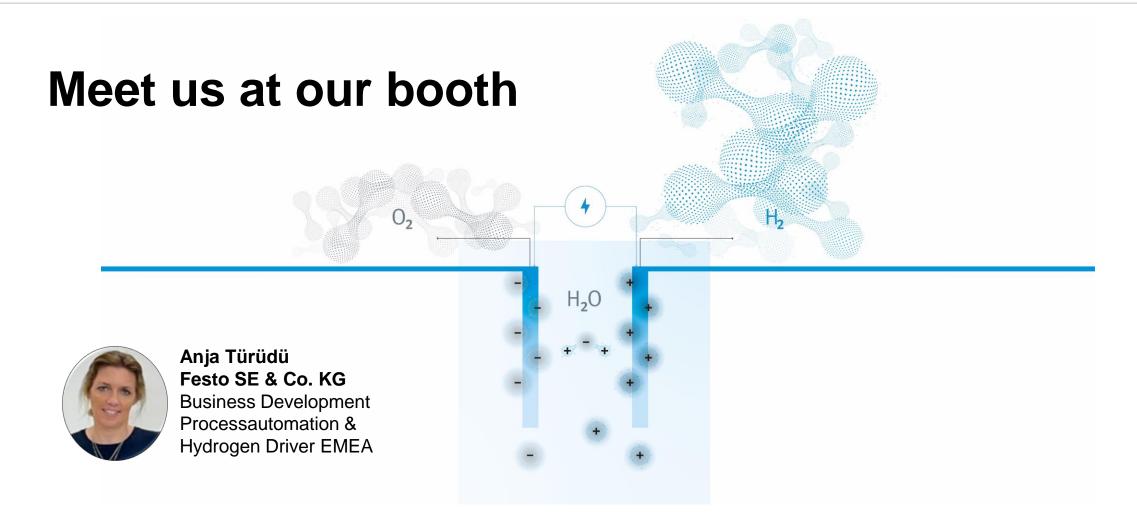
Training & Learning systems

















TEŞEKKÜR EDERİZ.