



GOOD TO KNOW

FOR TECHNOLOGY PARK ON THE RED SEA

Green hydrogen: SAMSON and PFEIFFER supply valves for the Gulf

Kempen, 15. February 2022 – SAMSON PFEIFFER supplies more than 1000 fittings for a new hydrogen electrolysis plant in Saudi Arabia. As the plant in the technology park of the planned city of Neom on the Red Sea will have an electrolysis capacity of 2 Gigawatts and will be equipped with at least 100 standard modules of 20 megawatts each, this is an important order for both PFEIFFER Chemie-Armaturenbau GmbH in Kempen as well as for the parent company SAMSON with headquarter in Frankfurt. The background to the deal is the signing of the contract between a leading US industrial gas producer and a major German plant manufacturer for the production of green hydrogen based on renewable energy sources.

When the ink was dry on the contract for the construction of the gigantic electrolysis plant in the Gulf, this also meant a go for SAMSON PFEIFFER. In other words, the plant in the Middle East is now to be supplied with control and shut-off valves made in Germany.

"We were trusted with this innovative technology and its further development for several reasons," says electrical engineer Guido König, the expert responsible for hydrogen at SAMSON. The required valves can be supplied in large quantities and in a timely manner. Furthermore, their technical level guarantees the necessary safety in a sensitive area. And - thirdly - SAMSON already has sufficient experience in such demanding applications through chlorine electrolysis. "This makes us a competent partner for the complex requirements



Guido König.



André Schnepfer.

PFEIFFER Chemie-Armaturenbau GmbH has its main factory with 220 employees in Kempen on the Lower Rhine. PFEIFFER sells valves exclusively engineered in Germany. PFEIFFER manufactures butterfly valves and ball valves made of stainless steel and special materials such as titanium and nickel-based alloys. An additional field of activity is turnkey pigging installations. The company specializes in producing valves with high-grade linings made of PTFE or PFA. Founded in 1974, the company has been part of the SAMSON Group since 1995. SAMSON is known for its comprehensive product line in instrumentation and controls as well as for the most modern integrated automation systems. SAMSON operates wherever there is controlled flow of vapors, gases or liquids.

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in the H₂ segment as well," says the SAMSON manager for sustainable industries.

"Through this major order, we have the opportunity to help shape the CO₂-neutral factory of the future," PFEIFFER sales manager André Schnepfer refers to the ecological footprint. The graduate engineer is alluding to the environmental aspect that the business takes into account in times of climate change. As SAMSON PFEIFFER now supports sustainable energy production on a large scale, the valve delivery to Neom is a "production line into the future", says Tim van Stiphout, who heads the Project Sales department at PFEIFFER.

Both PFEIFFER and SAMSON emphasise that the handling of such a mega project can only be made possible through a joint effort. "One SAMSON - this slogan is a living reality for us," says PFEIFFER Managing Director Bernd Jenner. PFEIFFER was founded in 1974 on Lower Rhine and has been part of the SAMSON GROUP since 1995.



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Entering the innovative hydrogen technology on such a large scale is a groundbreaking development step for SAMSON. Guido König: "The dramatic climatic changes are a challenge for us to reorient our actions, to work in a resource-saving way and to drive decarbonisation forward." At the same time, says Bernd Jenner, this mission secures the jobs of many employees and raises their awareness of being allowed to contribute to an environmentally friendly future.

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