



Nordex Electrolyzers relies on VEGA measurement technology for green hydrogen production

Schiltach / Navarra, March 2025 – Within the context of a current project to equip a 500-kW prototype with instrumentation, technology company Nordex Electrolyzers has opted for sensor solutions from VEGA. The Nordex Group subsidiary develops high-performance electrolyzers for the industrial production of green hydrogen in Spain.

Its alkaline pressure electrolysis system is specially designed for operation with fluctuating wind power. The prototype, which produces over 10 kilograms of hydrogen per hour, is installed in a modular container system and can be deployed flexibly worldwide. Sensors of type VEGAFLEX 81, VEGABAR 82 and VEGABAR 29 ensure safe and efficient operation under challenging process conditions, including temperatures up to 95 °C, pressures up to 27 bar and chemically aggressive media.

Javier Fernandez de Manzanos, Director of Electrolyzers at Nordex, explains: “VEGA impressed us with its precision, concern for safety and digital integration, as well as its excellent technical support.” The sensors are SIL and ATEX certified and offer features such as self-diagnostics, Bluetooth operation and high chemical resistance.

The project is part of a nationwide hydrogen initiative in Spain that aims to build an electrolysis capacity of up to 12 GW by 2030 – equivalent to up to 20% of EU-wide capacity. The collaboration between Nordex and VEGA demonstrates how intelligent sensors and sustainable hydrogen technology are driving the energy transition forward.

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