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John Cockerill reinforces its leading position in green hydrogen with the sale of 25MW of electrolysers for Taiwan

John Cockerill will supply 25MW of electrolysers for the Taiwanese market. With this contract, John Cockerill, a major player in hydrogen production via water electrolysis, reinforces its position among the world leaders of green hydrogen and furthermore, of the energy transition.

This order includes 5 stacks of 5 megawatts each for a total capacity of 25 megawatts. These 5 large-scale electrolysers will be installed in Taiwan and will serve the semiconductor's industry. They will allow the transformation of water into ultra-high purity hydrogen at a pace of 5,000 Nm³/hour.

Water electrolysis enables the production of hydrogen without the use of fossil fuels feedstocks and therefore without CO₂ emissions. Since these electrolysers will be partly fed from renewable energy, they will prevent an estimated 20,000 tons of carbon dioxide (CO₂) annual emission.

Raphaël Tilot, Head of Renewables at John Cockerill: "With a total capacity of 34 megawatt already sold this year, we confirm our pole position on the green hydrogen market, especially in the field of large-scale electrolysers. Today, we are providing our customers with a wide range of electrolysers with capacity going up to 5MW per unit. Our ambition is clearly to address the growing demand for large scale production of green hydrogen at competitive prices. In a post-Covid world facing challenges of an unprecedented magnitude, we are convinced that green hydrogen, a 0-carbon-emission energy, has to take a greater part in the global energy mix. As a leader in this area, we're resolutely determined to take part in the Green Deal launched by the European Union".

This Taiwanese contract follows a series of orders in fields as diversified as methanol production, decentralized power generation, silicon manufacturing and mobility.

John Cockerill Energy: a top-level player in the energy transition

World leader in steam production for more than 50 years with heat recovery steam generators, John Cockerill Energy also addresses the challenges of the energy transition by designing and integrating green and renewable energy systems: thermal-solar receivers, energy storage solutions, power networks optimization, and production, storage & distribution of green hydrogen.

Regarding green hydrogen, John Cockerill Energy operates as an innovative supplier of high-performance solutions targeting the mobility, industrial and energy markets. John Cockerill Energy is a market leader in large capacity hydrogen generation via water electrolysis (from 5 to 10500 Nm³/h).

John Cockerill Energy's ambition is to market innovative solutions that meet to the needs of our times, with a specific commitment to energy transition towards greener, more sustainable and more flexible systems.

John Cockerill, enabler of opportunities

John Cockerill develops large scale technological solutions to meet the needs of our time: preserving natural resources, contributing to greener mobility, producing sustainably, fighting against insecurity and facilitating access to renewable energy.

Its offering to enterprises, States and communities comes in the form of services and associated equipment for the energy, defense, industry, environment, transport and infrastructure sectors.

Driven since 1817 by the entrepreneurial spirit and thirst for innovation of their founder, the 6 000-strong workforce of the Group enabled it to achieve turnover in 2019 of 1.26 billion Euros in 22 countries across 5 continents.

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