

July 15th, 2022

## **John Cockerill selected for the IPCEI 'Hy2Tech' dedicated to the development of the hydrogen technology value chain in Europe**

**John Cockerill is one of 35 European companies selected within the framework of the Important Project of Common European Interest (IPCEI) 'Hy2Tech' to participate in the development of a hydrogen technology value chain in Europe. John Cockerill's project revolves around research and innovation dedicated to the design of a 5 MW, 1000 Nm<sup>3</sup>/hr alkaline electrolyzer at 30 bar and the industrialization of its large-scale production in Belgium and France. Through this green hydrogen production technology, John Cockerill is contributing to the decarbonization of energy, industry and transport in Europe, and to the fight against climate change.**

John Cockerill's ambition is to develop an electrolyzer production capacity of 1 GW by 2030. This ambition entails, on the one hand, developing large-capacity alkaline electrolyzers (from 5 MW, 1000 Nm<sup>3</sup>/h at 30 initially, then 10MW and up to 20MW in the long term by increasing the diameter of the cells and/or increasing the current density), and on the other hand, starting up a large-scale electrolyzer production chain in Europe: by 2030, a capacity of 1 GW. This industry will be based on mainly French and exclusively European solutions (intellectual property, technologies, production, etc.) and will be located near the major industrial regions of France, Belgium, Luxembourg and Germany.

Raphael Tilot, Executive President John Cockerill Renewables & Hydrogen: "We are very proud to have been chosen to participate in the development and implementation of this essential value chain for the future of Europe. The road we have traveled since February 2020, the date of the call for expressions of interest, has been long, demanding and often full of surprises, and we are particularly pleased that it has been crowned with success. We will now be able to accelerate the build-up of our electrolyzer manufacturing capacity in France and Belgium, and to fully devote ourselves to our research and innovation work in order to provide Europe with a technology and production capacity capable of meeting its needs in terms of green hydrogen, a strategic element in the energy mix of tomorrow.

John Cockerill's project will have a significant impact on employment in France (in the Grand Est region) and in Belgium, with the creation of around 350 direct jobs at term, to which could be added a thousand indirect jobs generated by the ecosystem of this new sector.

For the record, John Cockerill is the world leader in alkaline electrolyzers with 1/3 of the world market. In 2021, it installed 151 MW of the 458 MW of the world market, i.e. a 33% market share. Its turnover for this technology increased threefold in 2021, and it has booked orders for a record cumulative total capacity of 190 MW. John Cockerill is rolling out a number of cooperation actions within the European hydrogen industry: participation in the work of France Hydrogène and the Hyve consortium (Belgium) and development of trail-blazing projects (Columbus with Carmeuse and ENGIE, Hyoffwind in Zeebrugge with BESIX, HaYrport with Liege Airport, Ecomobilité in Metz with Metz Métropole and UEM).

### **John Cockerill, enabler of opportunities**

Driven since 1817 by the entrepreneurial spirit and passion for innovation of its founder, the John Cockerill Group develops large-scale technological solutions to meet the needs of its time: preserving natural resources, contributing to greener mobility, manufacturing sustainably, building security and facilitating access to renewable energy.

Its offer to businesses, governments and communities consists of services and associated equipment for the sectors of energy, defence, industry, the environment, transport and infrastructures.

John Cockerill achieved a turnover of 947 million euro in 22 countries on five continents in 2021.

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