Joint press release

Munich, April 23, 2021

Press release by Siemens Energy and Messer Group

Siemens Energy and Messer Group to cooperate on hydrogen electrolysis in an integrated hub concept

- Three clean hydrogen projects with a total electrolyser capacity of 70 MW submitted to Spanish government
- Tarragona hub-concept to use all co-products like oxygen and heat and supply merchant market

Siemens Energy and Messer Group have entered into a cooperation agreement with the goal to work on green hydrogen projects in the 5 to 50 Megawatt (MW) range for industrial and mobility applications. Within the framework of this agreement Messer Ibérica has already submitted three clean hydrogen projects in the chemical complex of Tarragona to the Spanish government. These projects will have a total electrolyzer capacity of 70 MW.

The intention of the partners is to achieve the most economic operation possible, by maximising cost efficiency and the utilisation of all co-products in an integrated hub concept. In the Tarragona chemical park Messer Ibérica operates a pipeline network for oxygen where this electrolysis co-product will be used.

Decarbonisation is a top priority of governments worldwide in order to combat climate change. Spain's "Hydrogen Roadmap" places the country at the forefront of this movement, building on its advantageous geography for the generation of renewable energy. The chemical industry in Tarragona, one of Europe's largest chemical parks, has identified renewable hydrogen based on electrolysis as an essential solution to replace fossil fuels in its processes.

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Stefan Messer, owner and CEO of Messer Group GmbH, said: "We are focused on developing technologies that make our customers' production processes safer, more efficient and eco-friendly, including clean hydrogen applications in industry and in mobility. In Europe, Asia and the Americas, we already operate gases production facilities expertly on-site, optimizing the use of all co-products, allowing customers to concentrate on their core businesses whilst enjoying environmental and commercial benefits. Together with Siemens Energy we will extend these advantages to industrial customers switching to green hydrogen produced by electrolysis."

Christian Bruch, CEO of Siemens Energy, said: "Green hydrogen will be one important lever to develop sustainable solutions, especially in hard-to-abate sectors of industry and mobility. For us it is important to drive the development of a hydrogen economy in partnerships and I am grateful for the trust of the Messer Group to realize projects jointly."

This press release and a press picture is available at www.siemens-energy.com/press
For further information on green hydrogen please see www.siemens-energy.com/hydrogen

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Siemens Energy is one of the world's leading energy technology companies. The company works with its customers and partners on energy systems for the future, thus supporting the transition to a more sustainable world. With its portfolio of products, solutions and services, Siemens Energy covers almost the entire energy value chain – from power generation and transmission to storage. The portfolio includes conventional and renewable energy technology, such as gas and steam turbines, hybrid power plants operated with hydrogen, and power generators and transformers. More than 50 percent of the portfolio has already been decarbonized. A majority stake in the listed company Siemens Gamesa Renewable Energy (SGRE) makes Siemens Energy a global market leader for renewable energies. An estimated one-sixth of the electricity generated worldwide is based on technologies from Siemens Energy. Siemens Energy employs more than 90,000 people worldwide in more than 90 countries and generated revenue of around €27.5 billion in fiscal year 2020. www.siemens-energy.com.

Messer was founded in 1898 and today is the largest family-run specialist for industrial, medical and specialty gases worldwide. Under the brand "Messer – Gases for Life" the company offers products and services in Europe, Asia and the Americas. The international activities are directed from Bad Soden near Frankfurt am Main. Stefan Messer, owner and CEO of the Messer Group GmbH, works together with about 11,000* employees worldwide according to defined principles: These include customer and employee orientation, responsible behavior, corporate responsibility, excellence as well as trust and respect. Messer generated expected sales of about 3.1 billion* euros in 2020.
* Sum of Messer Group and Messer Industries including 100 percent of the at-equity investment in Messer Industries since 1 March 2019 onwards.
https://corporate.messergroup.com
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