
ZURICH, SWITZERLAND, DECEMBER 9, 2020

ABB reinforces clean hydrogen commitment with ECH2A membership

Peter Terwiesch, President of ABB Industrial Automation becomes executive member of the EU Alliance established to kick-start the European hydrogen industry.

ABB has been granted membership into the European Clean Hydrogen Alliance (ECH2A), the official EU body focused on an ambitious deployment of hydrogen (H₂) technologies by 2030, as a means to reduce carbon emissions and help achieve European carbon neutrality by 2050. Peter Terwiesch will be ABB's executive sponsor in the Alliance and will be actively working with governments and other Alliance members to scale up the hydrogen value chain across Europe.

The use of hydrogen has been identified as crucial to achieve the objectives of the European Green Deal and Europe's clean energy transition. It has several uses, from storing renewable energy to fueling heavy transport, and as energy and feedstock in energy-intensive industry, such as in the steel or chemical sectors.

Most importantly, hydrogen only emits water and heat when used, no carbon. In fact, if H₂ is produced from renewable sources, the whole hydrogen value chain is carbon-free. Hydrogen thereby is an excellent complement to electricity and offers a solution to decarbonize industrial processes and economic sectors where reducing carbon emissions is both urgent and hard to achieve.

"Europe's opportunity to reduce carbon emissions by scaling up the production, transport and use of hydrogen is significant. Automation, electrification and digitalization will play an important role in unlocking this potential. At ABB we are proud to be joining the ECH2A, to continue our collaborations with governments, industries, regulators and academia to further accelerate the implementation of hydrogen," said Peter Terwiesch, President of ABB Industrial Automation. "We have a unique mix of relevant domain expertise and solutions to support industry and make a real difference in deploying new clean hydrogen technologies."

ABB enables the transition from carbon-based fuels to hydrogen through its expertise and portfolio of systems, products, services and digital solutions. The company is collaborating with customers, partners and legislators to build the hydrogen ecosystem – from key technology collaborations to explore large-scale green production systems, to a new hydrogen production facility in France, and the development of megawatt-scale fuel cells to power large ocean-going ships.

"This membership further strengthens our commitment to the UN's sustainable development goals for 2050, as well as our own commitment to reduce our customers' carbon footprint by more than 100 Megatonnes per annum through ABB technologies. ECH2A is one of many associations we are part of to actively drive this agenda forward," Peter Terwiesch continued.

Notes to editors

ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 110,000 talented employees in over 100 countries. www.abb.com

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