



Directorate Change

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Hydrogen Future Industries PLC
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Hydrogen Future Industries PLC
("HFI" or the "Company")

Directorate Change

[Hydrogen Future Industries PLC](#) (AQSE: HFI), a developer of a proprietary wind-based green hydrogen production system featuring an advanced aerodynamic wind turbine and a high performance electrolyser, announces that Hannah Haxby, Independent Non-Executive Director, has resigned from the board with immediate effect to focus on other executive commitments.

The Company has commenced its search for a replacement Independent Non-Executive Director and will update the market in due course.

Neil Ritson, Chairman, commented:

"We hope to continue our relationship with Hannah through her other capital markets focussed roles and thank her for her support and guidance whilst a member of our board."

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Inside Information

This announcement contains inside information for the purposes of the UK Market Abuse Regulation and the

Directors of the Company accept responsibility for the contents of this announcement.

About Hydrogen Future Industries

Hydrogen Future Industries was established to invest in projects and companies focused on the Hydrogen Economy. We are developing a proprietary wind-based hydrogen production system, incorporating hydrogen compression and storage. Hydrogen Future Industries is at the forefront of green hydrogen production with its integrated system that marries an advanced ducted wind turbine with a state-of-the-art Anion Exchange Membrane Water Electrolyser (AEMWE). This innovative pairing is designed to optimise renewable energy for the efficient production of hydrogen.

Click [here](#) for more information about Hydrogen Future Industries.

About HFI wind turbine technology

The HFI wind turbine is at TRL (Technology Readiness Level) 6-7, showcasing an advanced design with superior aerodynamics and rotor blade technology that generates three times the energy of a traditional open rotor design. The aim is to generate energy at a cost below \$30/MWh and a unit CAPEX of \$700,000/MW. This innovation represents a smaller, quieter, and more efficient alternative to existing wind energy generation technology. The turbine's unique features include a smart hydraulic drive that improves efficiency and reduces the cost of energy production, the ability to generate energy over a broader range of wind speeds, and versatile energy output in hydraulic, DC, or AC forms without the need for additional AC to DC rectifiers for hydrogen production. Significantly, the turbine can be raised and lowered for optimal wind capture, reducing maintenance and installation costs, as servicing can be performed at ground level.

About HFI Anion Exchange Membrane Water Electrolyser (AEMWE) technology

At TRL 4-5, the HFI Anion Exchange Membrane Water Electrolyser (AEMWE) presents a step forward in power efficiency, longevity, and cost-reduction for green hydrogen production. Testing has confirmed a cell efficiency of 97%, notably higher than the 80-85% of rival technologies. Constructed without platinum group metal catalysts, the AEMWE utilises more affordable and accessible materials, resulting in a projected cost that is 50% lower per kW than the PEM electrolyser. It is designed to deliver high efficiency even with variable energy supply typical of renewable sources, and it features a unique system where individual cells can be replaced without halting hydrogen production. The AEMWE's catalysts are chemically attached to the electrodes, preventing wash-off and ensuring durability. The ongoing patent applications aim to protect the unique intellectual property developed around this technology.

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