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24 February 2025

**Clean Power Hydrogen plc
("CPH2", the "Company" or the "Group")**

Level 1 of Site Acceptance Test Completed

CPH2, the UK-based green hydrogen technology and manufacturing company that has developed the IP-protected Membrane-Free Electrolyser ("MFE"), is pleased to announce that Level 1 of the Site Acceptance Test ("SAT") for its MFE110 electrolyser at Northern Ireland Water's site in Belfast has been successfully completed.

Following the successful Factory Acceptance Test ("FAT") of its MFE110 electrolyser in September 2024 at CPH2's test site, the electrolyser continued to operate for ongoing testing and data collecting purposes. The MFE110 was then decommissioned and shipped in December 2024 to be installed and commissioned at the Northern Ireland Water's water treatment site in Belfast.

The completion of the MFE110 Level 1 SAT marks the first of three stages within the SAT which run sequentially. The Level 1 SAT signifies verification that mechanical and electrical components are checked for completion, and that the MFE's build is aligned to the documentation and compliant to relevant safety standards. The successful test was undertaken by Lagan MEICA Limited, the Contractor to Northern Ireland Water, overseen by engineering firm Arup.

Lagan MEICA Limited is now proceeding with Level 2 of the SAT protocol, which verifies the functionality of the MFE110 electrolyser and electrical installations in accordance with requirements, including functional testing of Programmable Logic Control functions on the physical system to demonstrate correct operation according to parameters.

Completion of Level 3 SAT, expected in H1 2025, will mark the significant juncture of the first time scaled MFE technology is fully functioning and operational at a customer's site.

Jon Duffy, CEO commented:

"The Level 1 SAT test of the MFE110 is a very positive first step toward the key milestone of achieving first production of hydrogen and oxygen on a customer's site using MFE scaled technology. We look forward to the continued progress of the process, culminating in what will be a proud moment for the team at CPH2 and Northern Ireland Water as our technology becomes fully functioning in the production of oxygen and hydrogen."

ENDS

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Overview of CPH2

CPH2 is the holding company of Clean Power Hydrogen Group Limited which has almost a decade of dedicated research and product development experience. This experience has resulted in the creation of simple, safe and sustainable technology which is designed to deliver a modular solution to the hydrogen production market in a cost-effective, scalable, reliable and long-lasting manner. The Group's strategic objective is to deliver the lowest LCOH in

the market in relation to the production of green hydrogen. CPH2 is listed on the AIM market and trades under the ticker LON:CPH2.

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