

25 March 2025

EnergyPathways plc

("EnergyPathways" or the "Company")

MESH Project Update

MESH positioned to accelerate the UK's energy transition

EnergyPathways (AIM: EPP), an energy transition company, is pleased to announce progress on its MESH energy storage project in relation to hydrogen, long duration energy storage and low-carbon flexible power solutions.

EnergyPathways is distributing a specialised project briefing document outlining the conclusions from its hydrogen and clean energy pre-FEED activities and highlighting the critical role that hydrogen and compressed air storage technologies can play in reducing carbon emissions, enhancing energy security and becoming a cornerstone of the UK's transition to a sustainable net-zero economy.

MESH Key Project Highlights:

- **Pre-FEED progress:** Developing in line with schedule and remains on track for FID subject to award of the necessary licences applied for and requested
- **25-year project lifespan:** Providing the UK with a secure and reliable supply of low carbon energy
- **20 TWh integrated energy storage capacity:** Harnessing value from the UK's excess wind power and boosting energy security
- **400 MW hydrogen and compressed air Long Duration Energy Storage:** Potentially Europe's largest LDES facility, providing multi-day power supply
- **700 MW low-carbon flexible power:** Highly flexible future-proofed system for transition to carbon free hydrogen power
- **Creating employment:** Supporting a Just Transition for UK's offshore workforce
- **Fully aligned with the Government's "Clean Power by 2030" mission and energy transition ambitions**

The Company's hybrid compressed air storage solution (H-CAES), for which EnergyPathways has developed its own intellectual property, is a key part of a new, cutting-edge component of the MESH integrated energy storage project and the Company will provide more details on this aspect as the project progresses.

EnergyPathways has developed a pioneering and innovative approach to Long Duration Energy Storage (LDES) which it believes can make a major contribution to supporting the UK's renewable energy integration and providing security of power supply for the UK's businesses and households. The MESH LDES system will potentially be the largest of its kind in Europe.

By engaging with various influential stakeholders involved in the UK's energy transition, the Company will play its part in fostering collaboration and supporting future changes to policy frameworks to accelerate growth investment in the UK's energy transition.

The MESH project briefing document can be found on our website: <https://energypathways.uk/s/953c79>

Ben Clube, CEO of EnergyPathways plc said:

"We are pleased to have outlined our vision for MESH within the project briefing document that is being shared with the relevant stakeholders. The document's Project Highlights demonstrate that the proposed MESH project is an ambitious, bespoke and much needed project that has potential to make a material contribution to the UK, delivering on its net zero and energy security ambitions. Furthermore, the project has the potential to help kick start growth investment and contribute to supporting a "Just Transition" for the UK's highly skilled offshore work force and supply chain, resulting in positive socioeconomic impact beyond the clearly compelling environmental and commercial benefits that we have identified. I'm particularly proud to be able to demonstrate the depth of the Company's technical capabilities through the development of a pioneering approach to Long Duration Energy Storage, that we believe can make a material contribution to the UK delivering on its net zero energy transition ambitions and "Clean Power by 2030" target. We look forward to providing further updates on MESH as we progress through the FEED stages and engage with key stakeholders."

About MESH

MESH is a new large scale energy storage facility that is expected to provide a secure and dependable supply of natural gas and green hydrogen for the UK market for over 20 years. MESH is an integrated energy system solution. It is electrifying and integrating existing infrastructure, connecting gas storage, hydrogen storage, offshore wind and decarbonised power generation to establish a new major decarbonised energy hub for the UK.

MESH is expected to be the UK's largest long duration energy storage facility combining natural gas and hydrogen storage. It will be able to store in excess of 20 TWh of energy. The MESH project is intended to deliver on the Government's 2030 Clean Power timeline and will ensure a reliable and secure supply of energy for the UK. MESH has been designed as a fully decarbonised and electrified zero emission facility that is to be powered by the renewable wind farms of the UK Irish Sea region. EnergyPathways aims to play its role in supporting the Government in accelerating the UK's energy transition.

Investor Engagement with EnergyPathways

Engage with us by asking questions, watching video summaries and seeing what other shareholders have to say. Navigate to our Interactive Investor website here: <https://energypathways.uk/link/0rJ9Ee>

Enquiries

Investor questions on this announcement We encourage all investors to share questions on this announcement via our investor hub	https://energypathways.uk/announcements
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Forward Looking Statements

This announcement contains forward-looking statements relating to expected or anticipated future events and anticipated results that are forward-looking in nature and, as a result, are subject to certain risks and uncertainties, such as general economic, market and business conditions, competition for qualified staff, the regulatory process and actions, technical issues, new legislation, uncertainties resulting from potential delays or changes in plans, uncertainties resulting from working in a new political jurisdiction, uncertainties regarding the results of exploration, uncertainties regarding the timing and granting of prospecting rights, uncertainties regarding the timing and granting of regulatory and other third party consents and approvals, uncertainties regarding the Company's or any third party's ability to execute and implement future plans, and the occurrence of unexpected events.

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