



RWE



PORT OF
TILBURY
LONDON

Press Release

RWE, Mitsui and Port of Tilbury investigate green hydrogen to decarbonise port operations

- **RWE, Mitsui and the Port of Tilbury form a partnership to investigate green hydrogen options**
- **Project also looking at wider options to support the port's decarbonisation**
- **Unlocking potential carbon savings for port infrastructure and to fuel the green future of the Thames Freeport at Tilbury**

7 July 2023

RWE – the UK's largest power generator and a world player in renewable generation, Mitsui – a global trading and investment company with a diversified business portfolio that spans approximately 63 countries, and the Port of Tilbury – London and the South East's logistics hub, are developing an innovative hydrogen project at the Port of Tilbury in Essex as part of a recently signed memorandum of understanding (MoU) for two green hydrogen projects.

Hydrogen has a crucial role to play in helping the UK achieve its 2050 Net Zero ambitions and is an essential component for decarbonising different industrial sectors. Through the MoU, the organisations will complete two parallel work streams:

- A small scale 'proof of concept' demonstrator project to produce green hydrogen for decarbonising items of port equipment by switching from fossil fuels to hydrogen.
- An initial study into a 10 megawatt green hydrogen plant. The facility will be developed on Port of Tilbury land previously housing a coal-fired power station, transforming an area historically associated with fossil fuel power generation to green hydrogen production, at the heart of the Thames Freeport. The project will also look at options to scale up development over a ten year period upwards of 100 megawatts. The hydrogen would be used for port infrastructure and operations in addition to providing green hydrogen to the surrounding industry.

Dehenna Davison MP, Minister for Levelling Up, Housing and Communities,

commented: "This project is another great example of Freeports driving the UK's shift to a dynamic, low-carbon economy by developing the industries of the future.

"This will bring great local opportunities by creating exciting new careers for people, demonstrating one of the many reasons why Freeports are at the core of our levelling up agenda."

Peter Ward, Commercial Director at the Port of Tilbury and Thames Freeport lead, said: “This is an important opportunity to support the Port of Tilbury’s commitment to achieving Net Zero for our customers. Our business has set out our ambition to be carbon neutral by 2032 and Net Zero by 2042 by investing in the infrastructure in the ports. As part of Thames Freeport, our MoU with RWE and Mitsui to develop a new hydrogen plant at the Port of Tilbury will help accelerate the UK’s path to a decarbonised economy and support our vision for low carbon logistics.”

Steve Boughton, RWE Director Hydrogen Development, said: “Hydrogen is a key component of the energy transition and we want to play a leading role in this, aiming to develop 2GW of capacity by 2030. This collaboration with Mitsui and the Port of Tilbury is for an innovative project combining production and industrial customer use with potential fuel switching of port equipment.”

“Hydrogen will play an essential role in the pathway to net zero, particularly in hard to decarbonise industry. We are committed to playing a full part in the delivery of this emerging technology in the UK, and at the same time creating skilled green jobs.”

Shinya Umehara, General Manager Hydrogen Solutions Business Division, Mitsui & Co., Ltd. “Mitsui has set a target of achieving net zero-emissions status by 2050 and aims to halve its greenhouse gas (GHG) impact by 2030, compared with the level for the fiscal year ended March 2020.”

“Hydrogen is one of the areas identified for Mitsui’s key strategic initiatives as stated in the Medium-term Management Plan 2026. Through this project, Mitsui is looking forward to playing an important role in the realisation of the UK’s hydrogen strategy in collaboration with the Port of Tilbury and RWE.”

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Mitsui

Mitsui & Co., Ltd. (8031: JP) is a global trading and investment company with a diversified business portfolio that spans approximately 63 countries in Asia, Europe, North, Central & South America, The Middle East, Africa and Oceania. Mitsui has about 5,400 employees and deploys talent around the globe to identify, develop, and grow businesses in collaboration with a global network of trusted partners. Mitsui has built a strong and diverse core business portfolio covering the Mineral and Metal Resources, Energy, Machinery and Infrastructure, and Chemicals industries. Leveraging its strengths, Mitsui has further diversified beyond its core profit pillars to create multifaceted value in new areas, including innovative Energy Solutions, Healthcare & Nutrition and through a strategic focus on high-growth Asian markets. This strategy aims to derive growth opportunities by harnessing some of the world’s main mega-trends: sustainability, health & wellness, digitalization and the growing power of the consumer. Mitsui has a long heritage in Asia, where it has established a diverse and strategic portfolio of businesses and partners that gives it a strong differentiating edge, provides exceptional access for all global partners to the world’s fastest growing region and strengthens its international portfolio.

Forth Ports / Port of Tilbury

Forth Ports Limited owns and operates Tilbury, alongside seven other commercial ports on the Firth of Forth and the Firth of Tay: Grangemouth, Dundee, Leith, Rosyth, Methil, Burntisland and Kirkcaldy. The Port of Tilbury is the number one UK port for forestry products, construction materials, paper, grain, recyclables and warehousing space. The port has a strong market presence in bulk commodities, ro-ro, cars and cruise vessels. The port's London Container Terminal handles a mix of short and deep-sea services, is the UK's number four port for containers and has the greatest reefer (refrigerated container) point connectivity in Europe. Tilbury's strategic location makes it a natural point for distribution, with nearly 20 million people living within 75 miles. Serving the UK's market, the port offers customers excellent transport links to and from the UK's capital and across the South East where over 50% of the population live and work. The port is a diverse multi-modal hub, covering around 1,100 acres and is well positioned to access the M25 orbital motorway and the rest of the UK's national motorway network. In addition, there are direct rail freight connections within the port and dedicated barge facilities. The Port of Tilbury is part of the Thames Freeport partnership designed to create a development-ready platform to drive new investment, jobs, skills and the adoption of greener technology. www.forthports.co.uk @forthports

RWE

RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing more than €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.

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