



HUTCHISON PORTS - COMMITTED TO MINIMISING OUR ENVIRONMENTAL IMPACT



Hutchison Ports is committed to protecting the environment in which it operates whilst striving to constantly improve its carbon and ecological footprint. As such, we were delighted to be announced as one of the beneficiaries of the Department for Transport's Clean Maritime Demonstration Competition (CMDC).

Developed with our partners at Cranfield University, Sizewell C and EDF, the CMDC project involves a feasibility study into the potential for Freeport East to become both a net-zero port and a net-zero energy hub for third parties and the adjacent region. It includes consideration of how opportunities such as the presence locally of existing and new-build nuclear power stations at Sizewell can be used to further that ambition.

Freeport East is one of eight new Freeports in England announced by the Chancellor of the Exchequer in March. Hutchison Ports' Port of Felixstowe and Harwich International are partners in the Freeport together with a number of local councils and the New Anglia and South East Local Enterprise Partnerships.

Ports around the world use a considerable amount of fossil fuel for: direct operations, logistics and support functions, third party, ships, trucks and trains and the adjacent industry clustered around the port.

To replace fossil fuel completely in all these areas is a huge challenge. Although technology replacements are becoming available in many cases, these are still in their infancy or face other hurdles to adoption. All solutions

do however, demand very significant investment. The study will identify which solutions give the best viable outcome regarding speed and efficacy towards net zero.

Decarbonising associated activities is very challenging due to the large number of diverse operators not being under the direct control of the port. However, the scale of operations at Felixstowe and Harwich increases the potential to supply a carbon-free energy alternative to third parties and will drive the concept of a port energy supply hub. If the project can supply enough hydrogen, synthetic fuels, or bulk carbon-free power, it will facilitate a far-reaching energy transition. This study will provide answers to these questions.

In addition to decarbonising the port's own operations, the study will review local industry and consider how Freeport East can help reduce or eliminate carbon from associated and adjacent businesses. It will assess the technical viability and produce a business plan for innovative port decarbonisation solutions for Freeport East and move Port Energy Hubs and Net Zero Ports concepts to a commercial basis. Thereby bridging the gap between a concept and a feasible investable solution, resulting in plans that can be implemented.

Hutchison Ports is an industry leader and is committed to minimising its impact upon the environment through continuous investment in low/zero emission plant and equipment and progress towards realising a sustainable supply chain. We utilise the lowest carbon options such as, electric gantry cranes, internal tractors units, pool vehicles, solar energy, LED lighting, comprehensive waste and water management systems whilst exploring other technologies and fuel sources such as hydrogen power. Our ambition is to create a more environmentally sustainable future.