

DUAL Ports News

Orkney Islands Council, UK:

Orkney is the Hydrogen future



The scene was set in June at the northern isles of Scotland – The Orkney Islands. The agenda was the progress of the DUAL Ports Hydrogen Pilot.

Winds were raising, but the sun was high, when the DUAL Ports partnership met in Kirkwall, Orkney, to explore the possibilities of wave, tide and wind energy, and the production and bunkering of hydrogen for ferry vessels. The partnership was welcomed in Scapa, Orkney, by Technical Superintendent David Hibbert, who gave an introduction to the islands and the Orkney Islands Council Marine Services.

The initial point of the Hydrogen pilot, within DUAL Ports, was to develop a business case, where hydrogen for use in cars and shore site operations would be applied to a bunkering system for moving vessels. A hydrogen ferry was a hypothetical idea, at the beginning of the project.

However, Orkney Islands Council are working on different hydrogen projects, and as things develop a hydrogen ferry is now planned to be developed through another project (HySeas III), to be launched in 2020. Therefore, a bunkering system for this vessel has now become a reality and the Hydrogen pilot in DUAL Ports is no longer 'just a paper project'.

ITM Power will be working with Orkney Islands Council Marine Services to assess a number of bunkering options, as well as providing green hydrogen to the ferry, that will result in a ground breaking development for marine transport.

"Within two years' time, we will have the need for an actual bunkering system, for this new hydrogen vessel. The HySeas III project will develop the world's first renewables-powered hydrogen ferry, marking a paradigm shift towards entirely emissions-free marine transport," says David Hibbert, Technical Superintendent of Development and Infrastructure, Orkney Islands Council Marine Services.

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Responsible editor and lead partner: Wim Stubbe, AGHO, Wim.stubbe@portofoostende.be