

Specific energy storage applications port of spain

The strong focus on green hydrogen is visible both in the private and the public sector. By mid-2022, more than 1500 hydrogen-related projects were announced globally, while more than 60 countries have already developed or are developing hydrogen strategies (IRENA 2022c).

Since 2014, the European Investment Bank (EIB) has been providing significant support to hydrogen technologies: An overall investment of 1.2 billion euro, with over 550 million euro in direct financial support to technologies such as electrolyzers, catalysts and fuel cells, and the co-financing of large-scale hydrogen production, carbon capture and storage, as well as hydrogen stations (EIB, press release 16 March 2022).

Ports aiming for a strong position in green hydrogen are challenged to be active in all parts of the hydrogen value chain. A favorable location, a well-developed pipeline network, strong worldwide maritime connectivity, state-of-the-art terminal and logistics infrastructures, well-functioning and efficient industrial ecosystems and a strong customer base, are all important factors enabling a seaport to take up an important, pioneering, role in an emerging hydrogen economy, positioning itself as a hydrogen import, transit and production hub.

As local green hydrogen production in Europe is not expected to be sufficient to meet demand, hydrogen transport over long-distance will be necessary. Most of the available techniques to do this require the conversion of wind or solar energy to hydrogen carriers in or near the exporting port, and the transport of a suitable hydrogen carrier to importing areas. The most commonly considered hydrogen supply chains include (Fig. 1):

Contact us for free full report

Web: <https://www.hollanddutchtours.nl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

