

Bilbao: adaptation for LNG small scale services in big scale jetty

EPA1

This subactivity has adapted an existing jetty for big scale applications to also offer LNG small scale services, as a first step to allow ship-to-ship bunkering in Bilbao.



Project finalized. Tests ongoing.

Partners involved



The jetty is currently operational and last 30th of January of 2018 the first bunkering test was realized between a docked vessel at this jetty, Ireland, and Oizmendi (EPA2).

- **EPA1:** This IPS will deploy, looking for market conditions, a LNG technology in the port of Bilbao in order to adapt an existing jetty for big scale applications to also offer LNG small scale services, allowing also bunkering on biggest barges.

One mean to achieve a sustainable and efficient transport is the use of liquefied natural gas (LNG) as fuel.

Traditional efforts to supply LNG fuel to marine vessels have been dominated by stop-gap methods like truck refueling. But for LNG to emerge as a legitimate fuel source for many marine operators, large-scale sources of fuel supply must emerge.

This action contains a first step focusing on the modification of the existing mooring jetty in Bizkaia Bay Gas (BBG) regasification terminal, currently used for unloading LNG tankers between 70,000 and 200,000 m³. The reform aims to adapt the BBG LNG import-terminal jetty for an additional use as LNG bunkering station for barges and Coastal vessels.



A second step will be the development of a new mooring jetty in Bizkaia Bay Gas (BBG) regasification terminal to give additional service to the LNG bunker barge and others coasters ships. This step is within the global project, but not in the current proposed action.

Finally, It should be noted that this action is completed with other two:

- The adaptation of an existing ship to LNG bunker barge to provide a Ship to Ship LNG bunkering service to ships sailing the Cantabrian Coast within the southwest Atlantic Corridor (see EPA 2).
- Make the port of Bilbao a Green Port. The project includes, as well, a pilot project for the incorporation of the first LNG powered tugboat in the region: A LNG powered tug for daily operation in the Bilbao Port. (see EPA 3).