

The Port Authority of Huelva and Enagás promote a sustainable cold logistics hub that will allow savings of up to 50% in energy costs

This project will reduce the carbon footprint of user companies by 90%

More than hundred people attend an informative conference for the refrigeration facilities to be launched in the South Quay of the Port of Huelva

Huelva, June 20, 2019. - Earlier today the Port Authority of Huelva (APH) and Enagás, in collaboration with HuelvaPort, presented the Sustainable Cold Logistics Hub, a project that will be launched in the South Quay of the Port of Huelva through the awarding of the corresponding tender for the construction of cold stores by companies interested in participating.

This logistics centre will enhance the competitiveness of the South Quay and its intermodal terminal, providing infrastructures prepared for the booming market of temperature-controlled goods in an extremely well-positioned port. On the other hand, given the growth that container transport is experiencing and the commitment being made to diversify its traffic, the start-up of these facilities will complement the services offered by the port of Huelva.

In addition, this project involves using a novel refrigeration system, thanks to the use of the residual cold produced in the regasification process of Enagás' liquefied natural gas (LNG) plant. The cold will be transported through pipes to the aforementioned refrigeration facilities, achieving savings of up to 50% in energy costs.

The presentation was given as part of a conference held today in the engine sheds centre at the port (Las Cocheras) and was organized by the three entities. During the opening of the conference, the president of the Port Authority of Huelva, Pilar Miranda, stressed that “this is an opportunity to continue growing by providing quality services that have been adapted to market demands, to generate business opportunities and employment, not only in Huelva, but in all its sphere of influence, with a sustainable, innovative and very attractive project for the



refrigerated goods market”. She also highlighted the novelty of this sustainable refrigeration system, “as an example of public-private collaboration”.

On behalf of Enagás, its Asset Management Director, Rosa Nieto, was present and said that “the company is committed to the ecological transition and, for years, has been working on various projects that improve the energy efficiency of LNG plants, reduce energy consumption and take advantage of the residual energy of the processes, including the cooling from liquefied natural gas”. In this regard, Nieto explained that “Enagás is carrying out energy efficiency projects that allow the carbon footprint to be reduced, such as power generation, the supply of ecological cooling for other industries and other renewable gas initiatives such as the so-called 'Shaky Project' that uses the leftover cold from LNG for industrial refrigeration uses”.

This project is being developed in collaboration with a recently created Enagás subsidiary called ‘Enagás 4 Efficiency (E4E)’, which arose within the framework of ‘Enagás Emprende’, a corporate entrepreneurship programme that drives the development of start-ups created by employees and external entrepreneurs, linked to energy efficiency, renewable gases and new uses of natural gas.

Antonio Ponce, Vice-president of HuelvaPort, has given assurance that this type of joint projects between the Port of Huelva and the companies of the port community is evidence of the synergies generated in the sphere of the Port of Huelva. This will allow the Port of Huelva and its companies to be more competitive by offering a cold logistics hub at the foot of the Quay and a competitive space for the companies installed there. This will result in significant savings in the cost of energy, as well as reducing the carbon footprint of the port and its companies.

More than a hundred technicians from Spanish and Moroccan companies took part in this conference, in which the director of the Port of Huelva, Ignacio Álvarez-Ossorio, gave a general overview of the Huelva dock, in which he highlighted the important role played by the intermodal platform of the South Quay of the Port of Huelva, where the sustainable cold logistics hub will be located, due to its geostrategic location and its connection with different modes of transport.

The director of E4E, Javier Ruesga, presented Enagás' sustainable cooling system, specifically the advances in the basic engineering of the Ecological Cold Box to be built within Enagás' facilities in Huelva and the FEDER Innterconecta project “Shaky: Use of LNG for the development of frozen warehouses and the management of the cold chain”, co-financed by the Centre for the Development of Industrial Technology (CDTI) and the European Regional Development Fund (ERDF).

Ibón Basterrechea, member of the E4E Advisory Board, also announced the advantages of Enagás' sustainable cooling system, including 50% electricity savings and 90% savings in the carbon footprint.

The head of the Department of Public Port Domain of the APH, César Vera, presented the bases of the sustainable cold logistic Hub

project: <http://www.puertohuelva.com/recursos/doc/aphuelvaportal/2016/09/26/pliegos-concurso-otorgamiento-concesiones-almacences.pdf>

This document is intended for companies that intend to submit to the public tender published by the APH on April 15 in the Official State Gazette for the granting of one or more administrative concessions for the construction and operation of refrigerated warehouses in the South Quay.

Port of Huelva-Enagás Protocol

The history of this project dates back to December 2016 when the Port Authority of Huelva and Enagás signed a collaboration protocol for the implementation of a new project to reduce energy consumption linked to the use of the residual cold from the company's regasification plant.

The goal is to potentially use the cooling power of the liquefied natural gas (-160°C) regasified at the Enagás LNG plant to provide refrigeration to the facilities at the Port of Huelva. This initiative could enable the refrigerated logistics warehouses installed in the Port to have refrigeration at a very competitive cost.

The project is part of Enagás' energy efficiency and sustainability strategy which, through the development of different initiatives and investments, has enabled the company to reduce its

carbon footprint by 30% in the 2016-18 period compared to 2013-15, and by more than 90% in the area around the Port of Huelva.

The aim is to increase the competitiveness of liquefied natural gas services, the use of the regasification plant and the traffic of this type of energy in the Port of Huelva through a joint strategy.

CORE LNGas hive project

The Port of Huelva is an active member of the CORE LNGas hive project, co-financed by the European Commission, coordinated by Enagás and lead by the Spanish Ports Authority and in which 42 partners participate. The aim of the project is to develop a safe, efficient and integrated logistics and supply chain for LNG in the transport sector, particularly in maritime transport on the Iberian Peninsula. CORE LNGas hive is carrying out 25 studies, promoted by partners, for the adaptation of infrastructures and logistic-commercial development, allowing the provision of small scale and bunkering services.

These actions are part of the Port of Huelva's commitment to promoting the consolidation and diversification of services, improving competitiveness and developing infrastructures and intermodality. They are also in line with the commitment towards integration with the environment stated in the *Strategic Plan of the Port of Huelva 2012-2017, with a view to 2022*, given that it is a new service that complements those already existing in the port and makes use of a more environmentally friendly energy.

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