

Press release

Le Havre, 24 September 2021

Greener ports: HAROPA PORT installs equipment to supply power to ships at berth, reducing their environmental footprint

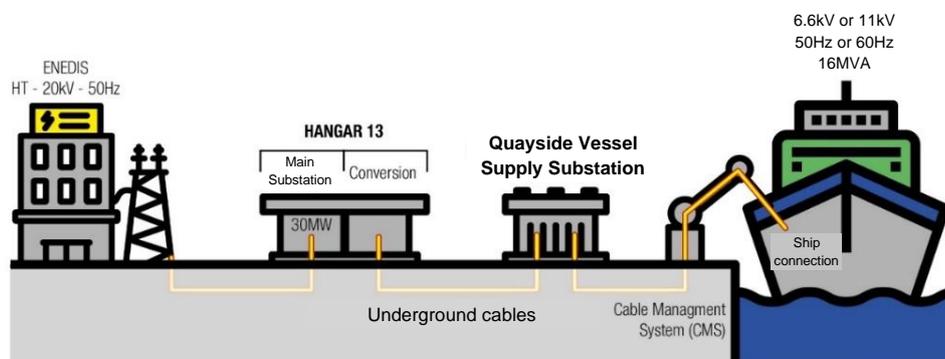
After implementing its Bornes & Eau (Water Supply Terminals) programme along the Seine Axis, HAROPA PORT has added another dimension to its environmental ambitions with quayside connections for electricity supply.

Electrical power supply for cruise ships at Le Havre port

HAROPA PORT has started work on achieving the goal of enabling cruise ships to connect to a landside electricity supply during their calls at Le Havre.

What is currently Hangar 13 on the Pointe de Floride will be redeveloped to house high-voltage distribution equipment along with conversion systems to adjust quayside supply to the needs of ships. A network of underground cables will be laid to take current to carriers, each weighing 15kg and providing five connection points on articulated arms for provision of supply to vessels irrespective of their location along the cruise terminal's three quays.

Connection to the public grid, a key component of the system, entails major construction work requiring extensive collaboration: the laying of the three high-voltage cables over three kilometres and the installation of a 40MW transformer at the Source Substation. This work is being carried out under project management by Enedis – the entity responsible for managing the national electricity grid – and will be completed in 2022.



Functional diagram of the Quayside Vessel Electricity Supply System.

The electrification of Pierre Callet quay will be operational as early as the 2023 season and represents the first phase of what is a large-scale project. Joannès Couvert and Roger Meunier quays will offer the same vessel accommodation conditions for cruise seasons 2024 and 2025 respectively.

An investment of €20m has been earmarked for this project, which also benefits from €11.1m in support from the government's Economic Stimulus Plan, plus a contribution of €0.9m under the Territorial Pact for Ecological and Inclusive Transition.

HAROPA PORT has ambitions and will be the first Northern European port to be able to supply 30MW to cruise ships.

Electrification of the Port 2000 quays will unfold over the period to 2028, following the protocol of agreement signed on 21 June 2021¹ between the five Northern Range ports: Antwerp, Hamburg, Rotterdam, Bremerhaven and HAROPA PORT.

“The energy transition has been made central to our strategy. This means that HAROPA PORT is setting out to be among those who want to speed up the pace of reduction in greenhouse gas emissions; cruise terminal electrical supply connections are in line with this movement. These investments reflect our determination to “green” our activities and those of the users of our port. Our objective is clear: we want to be a clean, carbon-neutral and positive-energy port by 2040”

Stéphane Raison, CEO, HAROPA PORT

“Enedis sees its role as a public service for the energy transition; its task is to support its customers when they undertake initiatives related to electrical distribution: connection to renewable energy sources, individual and collective standalone consumption, electric mobility. In this context, Enedis is delighted to assist HAROPA PORT in its flagship project for the connection of electrical supply to ships in the heart of the city of Le Havre, this being the first milestone in a broader cooperative enterprise focused on the development of electric mobility and renewable energy in Seine port infrastructure.”

Sébastien Courtin, Enedis Regional Director, Normandy

¹ For more information on the protocol of agreement go to : <https://www.haropaports.com/fr/actualites/haropa-port-du-havre-et-les-11-ports-mondiaux-du-programme-dactions-international-des>

Environmental imperatives combine with market expectations

Over and above the technical issues involved in its implementation, this project is guided first and foremost by a strong environmental desire to see reductions in greenhouse gas emissions and consumption of fossil fuels. A local impact is also expected with regard to air quality in the vicinity of the terminals given that in the short term the cruise ships connected to the quayside power supply will be cutting their emissions significantly in volume terms during their calls at the port. These ecological issues are accompanied by market expectations: using this quayside electrification programme, HAROPA PORT intends to consolidate its competitiveness on the Northern European cruise market and enhance its attractiveness for cruise operators and actors generally along the entire transport/logistics value chain.

Along the Seine Axis

Other projects are currently under development at terminals in Rouen and Paris. HAROPA PORT and VNF (French Waterways Authority), with support from the European Commission, are installing 78 riverside connection points for supply of water and electricity to freight barges and river cruise boats², adding to the 14 connection points already installed since 2018. In Paris, the quays of Grenelle port have a system specifically intended for passenger boats calling at the port; to date, one connection point has been installed and six others will have been added by 2023.

In line with the goals announced by the European Commission for achieving the target of a minimum 55% reduction in greenhouse gas emissions by 2030³ and the implementation of practical measures, HAROPA PORT is endeavouring to make an active contribution to the combat against climate change. In this global effort, one of the levers for controlling greenhouse gas emissions is the decarbonization of maritime transport.

Worth noting: The LH Forum on 24 September 2021 at 11:50 a.m. at the Volcan Grand Amphitheatre

Christophe GAUTHIER, Director of HAROPA PORT project management and engineering | Le Havre, and Sébastien COURTIN, ENEDIS Regional Director, Normandy, will be describing their ambitions during the Smart Port City round table.

² Find more information on our website: <https://www.haropaports.com/fr/havre/lettre-zero-carbone-port-du-havre-octobre-2020-electrification-des-quais>.

³ These goals are gathered together in the "Fit for 55" package; they project a 55% reduction in emissions compared with the levels recorded in 1990.

About HAROPA PORT

Since 1 June 2021, the ports of Le Havre, Rouen and Paris, already united under single banner of HAROPA since 2012, form the “major Seine Axis river and sea port authority”. As the fifth largest north-European port complex, HAROPA PORT has connections to every continent based on an international maritime offering in the very first rank (calling at nearly 650 ports). It serves an extensive hinterland centred on the Seine Valley and the Paris region, together constituting France’s biggest consumer catchment area. From Le Havre to Rouen, the port complex can point to over 2.5m sq. m. of logistics warehousing currently in service and over 1m sq. m. of available warehousing space. Today in France, HAROPA PORT provides a transport and logistics system capable of proposing holistic, end-to-end service offerings. It generates annual maritime and river traffic in excess of 130m tonnes and its activities represent approximately 160,000 jobs.

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About Enedis

Enedis is a public service entity charged with managing the electricity grid; it has a headcount of 38,000. Serving 37 million customers, it develops, operates and modernizes 1.4 million kilometres of low- and high-voltage electricity grid (230V and 20,000V), also managing the associated data. Enedis connects customers to the grid, provides a 24/7 troubleshooting service, reads electricity meters and carries out technical work. It serves local authorities, distribution network owners, and is independent of the power suppliers responsible for sales and managing electricity supply contracts.

In Normandy, it has over 1,700 employees at around thirty locations serving 2 million customers, 80% of whom now have the Linky connected meter. In Normandy, and everywhere in France, Enedis is investing in modernizing, consolidating and ensuring the safety of 95,600km of electricity grid. Enedis also injects nearly €320m every year into Normandy’s economy.

By participating at the present time in over 200 projects in France, Enedis supports all actors in the electric mobility ecosystem (public authorities, the automotive sector, regional actors, and others) and is paving the way for a supply network for the 15 million electric vehicles expected to be on France’s roads by 2035. Enedis is contributing to the development of the various use cases: charging at the roadside, on motorways, in collective residential housing, for buses, coaches, boats, hydrogen charging, and more.

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