

13. edition of DUAL Ports News  
May 2022

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## Sustainable clean-up works



*Can they treat the environmental legacy pollution in the sediments and provide sufficient depth of water for port operation without spreading polluted materials to other parts of the harbor?*

And do this in a climate friendly way and reduce carbon emissions?

During the process the harbor authorities must secure that any existing pollutants under no circumstances will be distributed to other port areas during the process.

This is a pilot project that began in 2020 with the extensive investigation of the actual pollution scenario by legacy contaminants in the harbour and culminated in 2021 in the kickstart of a field test and is still ongoing.

This is the question that the Port of Emden is trying to answer in their DUAL Ports Pilot Project where a promising in Situ pollutant treatment alternative is being investigated in a field experiment in a semi-enclosed section of the harbour. Laboratory tests give strong indications that it works on a bigger scale.

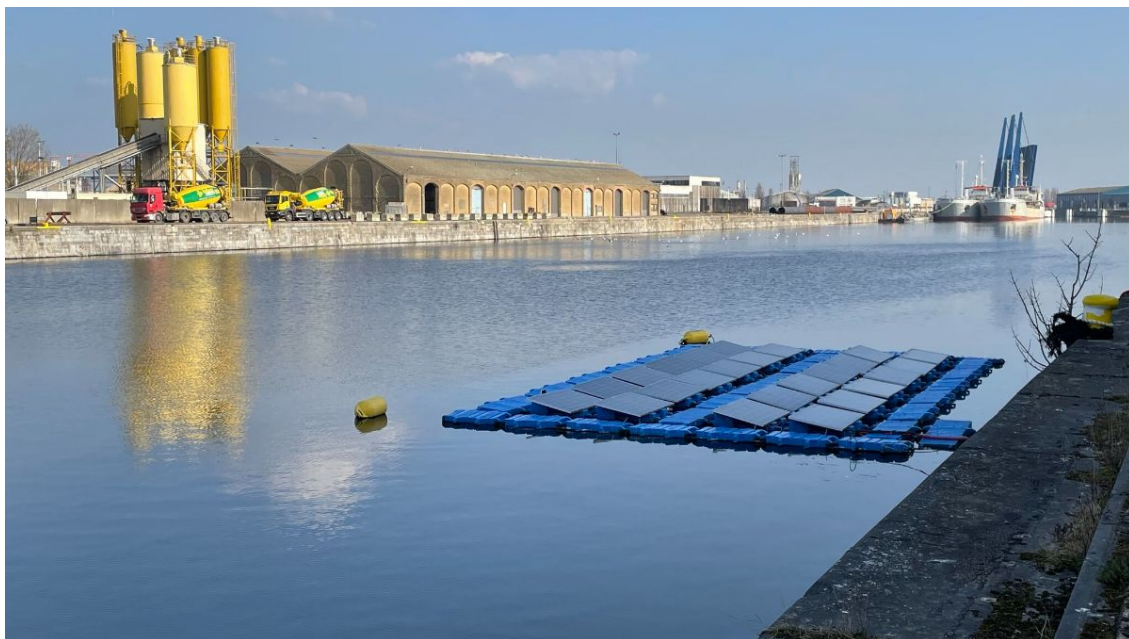
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[Read the full article here](#)

## Floating solar power plant



A unique pilot project with floating solar panels was launched in mid-January 2022 in the Belgian Port of Oostende. The purpose is to test whether the technology works and especially whether the floating solar power plant can cope in changing weather

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Greenpipe, with great support from project partner Heliorec, is proud to announce the successful installation of the floating solar plant. The 10kWp floating solar plant was installed on the 14th of January 2022 in the Port of Oostende as a part of the DUAL Ports EU program.

Greenpipe is the project partner to Dual Ports with Heliorec as a subcontractor for the installation and analysis.

The French-based startup Heliorec was founded by Polina Vasilenko in 2019. She is also CEO of the innovative company:

"The project during the current challenging time has been successful thanks to the great support from all parties. It engaged 10 companies from 7 countries. The floating solar plant in Ostend port helps us to improve technology, step closer to commercialization, and contribute to building the clean and sustainable European ecosystem", said Polina Vasilenko.

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[Read the full article here](#)

## Green asphalt leads the way



**Traffic on Vestre Strandvej on Port of Skagen in the northernmost part of Denmark has become more environmentally friendly.**



from the cars' exhaust, which is the background to the greener transport road at the port.

The new asphalt was laid out on Vestre Strandvej in autumn 2021 as part of the EU project Dual Ports, and the purpose was to test an environmentally improving asphalt of 7,300m<sup>2</sup>.

*"Overall, the experience has been good, and we have got a good road to drive. It works well, and even though the asphalt is produced differently than normal asphalt, you do not notice the difference," says Jesper Rulffs, Business developer at Port of Skagen.*

[See whats happening in Port of Skagen LIVE](#)

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## Future hydrogen crew members trained



The hydrogen era of waterborne transport is getting nearer day by day. But the switch from conventional ferry transport to Zero Carbon ferries raises a demand for training the seafarers.

At the Orkney islands the very first cohort of seafarers has been trained to work on hydrogen powered vessels have passed exams on a new hydrogen course.

Seven crew members from Orkney Ferries have completed the course, equipping

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## Sign of the Times



### Final conference in Brussels June 16th 2022

The conference will bring together the DUAL Ports partners, representatives from the North Sea Region Programme, international representatives from the industry, civil society, public authorities, research organizations among others to learn from work, experience and results of 15 pilot projects in sustainable port management.

The Dual Ports project will present the results from the work on reducing the environmental footprint of regional entrepreneurial ports, improving the sustainability of ports' operational and administration resources, and promoting responsible growth and supporting innovation-oriented development.

We trust that the results from DUAL Ports will be taken forward to shape the future for work with decarbonizing regional entrepreneurial ports.

[Read more about the conference and registration](#)

# Partners of Dual Ports

Port of Oostende  
Business Vordingborg  
Port of Vordingborg  
Port of Skagen  
Orkney Islands Council Marine  
Services  
ITM Power  
Fair Winds Trust  
Seabased  
GreenPipe

Niedersachsen Ports GmbH & Co.  
KG Branch Emden  
Port of Zwolle  
Hamburgisches Welt-  
Wirtschaftsinstitut (HWWI)  
Port of Hvide Sande  
Hvide Sande Fjernvarme A.m.b.A.  
Uppsala University  
Celtic Cruises

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Dual Ports is co-funded by The North Sea Region Programme 2014-2020;  
Eco-innovation priority. [www.northsearegion.eu/dual-ports](http://www.northsearegion.eu/dual-ports) J-No: 38-2-7-15

To learn more about DUAL Ports, visit [www.dualports.eu](http://www.dualports.eu)

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