



## Neo Orbis Amsterdam Demonstrator project

Ir. Klaas Visser, TU Delft, on behalf of Jan Egbertsen Port of Amsterdam H2Ships Dissemination Meeting October 2022





European Re



#### **Delft University of Technology**

Researches the regeneration of the fuel used and the system design, together with the University of Amsterdam.

#### H2 Circular Fuel

The inventor and builder of the sodium borohydride unit that we will use.

#### **MARIN**

A research institute that advises us on maritime technology.

#### Wijk Yacht Creation

The partner designing the vessel for us.

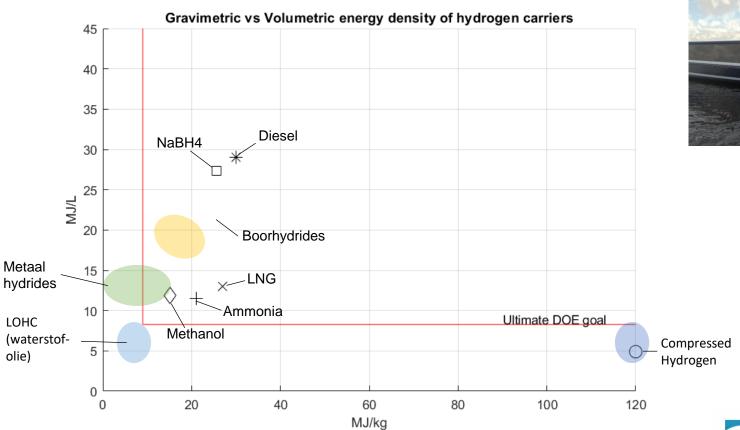
#### Lloyd's Register

This company that issues the vessel's certification and safety approval.

#### Baumüller

A systems integrator advising us during the design phase.



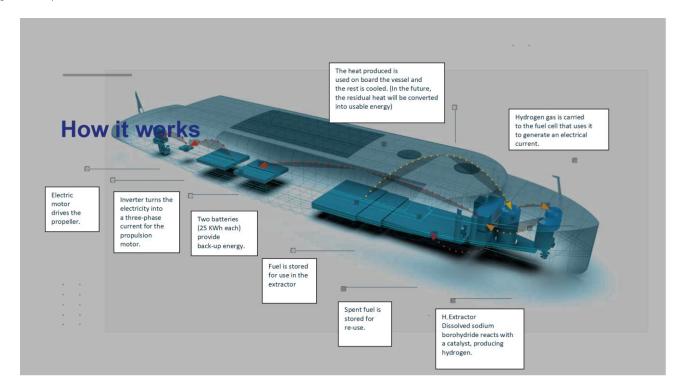








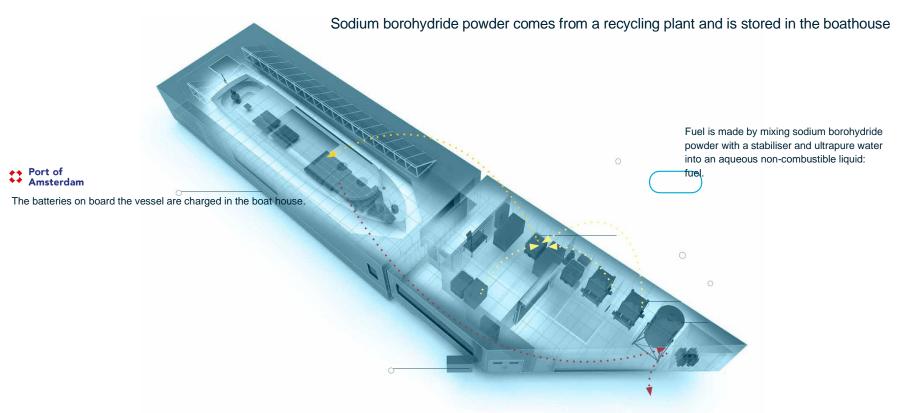






## **Boathouse**

**European Regional Development Fund** 



We make ultrapure water from tap water.

Spent fuel is stored for transport to the site where it is regenerated into sodium borohydride (packing-in).

- -Certification established Lloyd's Reg
- -No safety area during (easy) bunkering -Start building 2022 @ shipyard Next Generation, Lauwersoog, NL.
- -Sea Acceptance Test 2023
- -FAT integrated NaBH4 system @ Marin
- -Nov: conclusions of scale up to inland vessel (H2CARGOSHIP) and first results of regeneration process experiments (BÖRE2ACTOR)



## Further questions:

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# Interreg Linden North-West Europe H2SHIPS

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**THANK YOU!**