



# H2PORTS Project

## Conclusions and Final Remarks

03/12/2025

**Jorge M. Lara López**  
**Senior Project Manager and H2Ports coordinator**  
**Fundación Valenciaport**



FUNDACIÓN  
VALENCIAPORT



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# Contents

**01** Future Steps of H<sub>2</sub> in Ports

**02** Conclusions



# AGENDA



## H2PORTS FINAL CONFERENCE



Organised by:



Hosted at:



- 12:25 - 12:30 **Conclusions and final remarks**  
Jorge Lara, Coordinator of H2PORTS project
- 12:30 - 12:35 **Family Picture**
- 12:35 - 12:45 **Bus Transfer**
- 12:45 - 14:00 **Visit to the pilots: HRS / REACHSTACKER / YARD TRACTOR  
+ Family Picture**

### The mobile Hydrogen Refuelling Station - HRS

The Centro Nacional del Hidrógeno (CNH2) has developed the Hydrogen Refuelling Station (HRS) that has guaranteed the supply of this fuel, in suitable conditions, during the simultaneous operation of the other two pilots. Carburos Metálicos, as an expert in the entire hydrogen value chain, has led the installation of the HRS at the Port of Valencia and has managed it during the pilot period thus guaranteeing good practices of the team involved, and the correct handling of hydrogen loading operations.

### 1<sup>st</sup> Hydrogen ReachStacker

The hydrogen ReachStacker is the first-of-a-kind hydrogen powered ReachStacker and was developed by Hyster-Yale. This prototype has been tested in real operations at MSC terminal Valencia.

### 1<sup>st</sup> Hydrogen Yard Tractor



## H2PORTS FINAL CONFERENCE



Organised by:



Hosted at:



- 14:00 - 14:10 **Bus Transfer**
- 14:10 - 15:10 **Cocktail Lunch**
- 15:10 - 17:30 **CLEAN HYDROGEN "H2 in ports" Special Session  
(Master of ceremony: Mirela Atanasiu, Head of Unit - Clean Hydrogen Partnership)**
- 15:10 - 15:15 **Opening session**  
Valerie Bouillon-Delporte, Executive Director, Clean Hydrogen Partnership
- 15:15 - 16:00 **European Strategies and Insights**  
Recent EU strategies for energy (including hydrogen) and ports - Tudor Constantinescu, Principal Adviser to the Director-General for Energy - European Commission  
Key findings on hydrogen deployment in ports and coastal industrial areas - Stijn Vercaemmen, Director Climate & Energy - Deloitte  
Policy-market developments for the port-hydrogen arena - Stanislas Demeestere, Officer, Industry & Sustainability - Hydrogen Europe  
Role of port ecosystems within Hydrogen Valleys - Lionel Boillot, Project Officer - Clean Hydrogen Partnership



## H2PORTS FINAL CONFERENCE



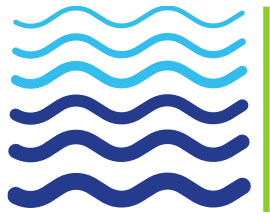
Organised by:



Hosted at:



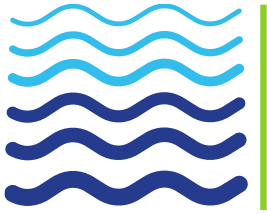
- 16:00 - 17:00 **Hydrogen in Practice: Port Visions and Realisations**  
Presentations from selected European ports (hydrogen strategies, pilot projects, scaling plans)
  - Port of Hirtshals (DK), Heidi Tuiskula, Soft Funding Manager - Norwegian Hydrogen AS
  - Port of Antwerp-Brugge (BE), Bert de Colvenaer, CEO - WaterstofNet
  - Baltic Ports, Jatta JUSSILA, CEO - CLIC Innovation Oy
  - Port of Venice (IT), James Orlandi - Head of Project Research & Development Unit and Paolo Menegazzo - Head of Strategic Planning Unit
- 17:00 - 17:30 **Panel Exchange / Testimonials**  
Interactive discussion with representatives from:
  - ESPO, Philippe Putman, Senior Policy Advisor Energy, Industry and Decarbonisation
  - Zero Emission Shipping Mission Innovation, Layla Chamliothoris, Project Coordinator
  - CPL - Clean Port & Logistics Cluster, Marie-Kristin Stussnat, Project Employee Hydrogen Applications
- 17:30 **End of the Final Conference**



# 01 Future Steps on Hydrogen in Ports

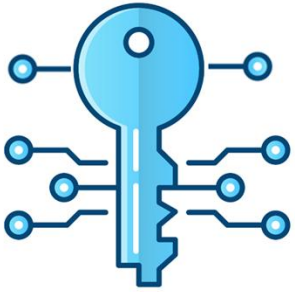


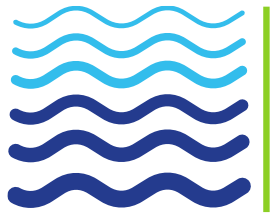
- ➔ More funding in Innovative H<sub>2</sub> Ports solutions
- ➔ H2Ports has opened the possibility to adopt hydrogen technologies in port operations but also to overcome the complexities and difficulties related to its use in real environments
- ➔ Testing in real port environments decreasing risk related to H<sub>2</sub> technologies
- ➔ TRL – It is important to address the TRL9 (maturity level ready for market)
- ➔ Mobility applications should be integrated in a wider hydrogen economy



## 02 Conclusions

- 7 years could explain the difficulties of this kind of projects. **H2Ports project represents a cornerstone of the use of hydrogen in port operations**
- Only the collaboration among the stakeholders involved in the daily operational tasks and the support of the Port Authority could end in a good result. Win-win business models
- Chicken and Egg dilemma and the issue of Real Pilots – The first of a kind addresses major challenges.
- Training and guidelines on H<sub>2</sub> are key to deploy the solutions along the ports. The involvement of stevedores and port workers is crucial
- Do not underestimated the complexity of the use of H<sub>2</sub> in these environments
- **The Port of Valencia is ready for Hydrogen!!**





# THANK YOU!! – Family picture



Coordination:



## Public authorities

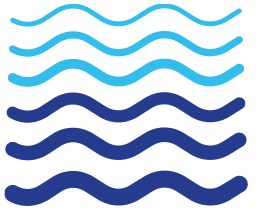


## Research institutions



## End users

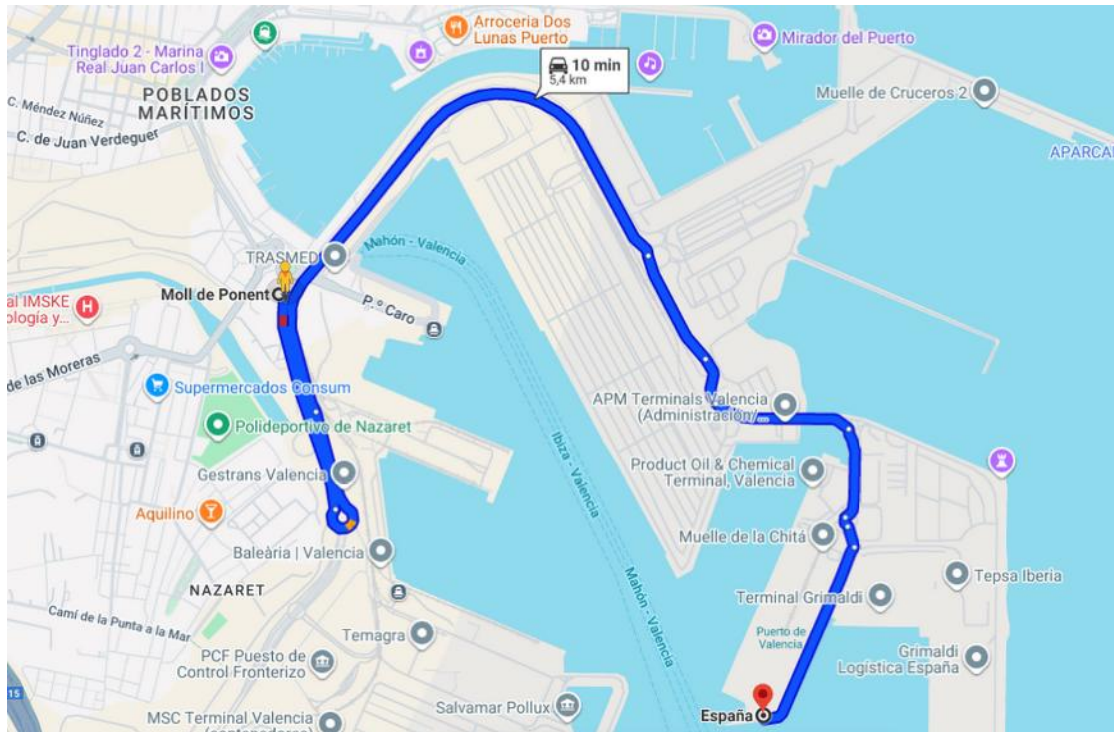




# Practical details for the visit



- 3 buses
- Please, follow the instructions of the organisation
- Do not leave any personal belongings in the bus
- You can leave your bags outside the conference room
- We will come back to the same place
- Please avoid walking outside the security area during the port visit



CONFIGURACIÓN FINAL

The logo for H2 PORTS features a stylized blue wave icon to the left of the text 'H2 PORTS'. The 'H2' is in a light green color, and 'PORTS' is in a dark blue color.

# H<sub>2</sub> PORTS

Funded by:



Partners:

