



# *Green Hydrogen*

The Trends, the Future Charting the Way Forward  
Towards a Global Sustainable Shipping Fleets

**ValenciaPort Foundation – Port Training Institute**

**26 - 30 June, 2022**

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## ➤ Introduction

Green hydrogen has the potential to be a key enabler in the global transition to sustainable energy and net-zero-emission economies. Green hydrogen is defined as hydrogen produced by splitting water into hydrogen and oxygen using renewable electricity. This is a very different pathway compared to both grey and blue. Accordingly it is the aim of Port Training institute to transfer this knowledge to the future generations as a sustainable energy source specially for the global shipping fleets to enhance eco life and minimize emissions.

For this purpose, taking advantage of the long profound collaboration with the ValenciaPort Foundation since 2016 in developing a Green Hydrogen joint course, making available to its participants the great knowledge and experience of the Valenciaport Foundation, the centre of excellence in training, research and innovation of the Port of Valencia by additionally organizing site-visits to the Port of the Valencia as part of the training course.

It is worth mentioning that the use of hydrogen in the Port of Valencia to reduce the environmental impact of its operations will make the Port of Valencia the first port in Europe to employ hydrogen energy, through the first hydrogen cell-powered devices to operate in the Valencian district. The Port of Valencia supports the programme, which is part of the port's long-term renewable energy growth strategy.



## » Course Topics

1. Factors Hampering on Sustainability and Use of Green Hydrogen
2. IMO Conventions
3. The Decarbonization of the planet as one of the objectives that countries around the world have set themselves for 2050
4. The Green Hydrogen as a Future Global Energy Source
5. Green Hydrogen as a Sustainable Power Source
6. Impact of Green Hydrogen on Upgrading World Sustainability
7. Sources of Green Hydrogen
8. The Green Hydrogen markets
9. Natural Gas Industry
10. Green Hydrogen Application for Sustainable Shipping Fleets and Ports

## » Participants



All ports & shipping companies keen on their eco-biological life and sustainable atmosphere for all port workers.



Global and IMO legislations governance for the use of green hydrogen as a source of sustainable power.





## Contact us



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