View this email in your browser

WELCOME ADDRESS

Welcome to our first newsletter.
One of the many more to come!

Europe aims to become the first climate-neutral continent by 2050. However, today we are still far from achieving this objective. According to the European Commission, renewable carbon-free fuels are not yet cost competitive compared to fossil-based fuels. In this context, **green ammonia** (as a source of hydrogen) is essential for the decarbonisation of the European energy system of the future.

The 2020 EU strategy for energy system integration highlights the importance of creating a **European hydrogen ecosystem from research and innovation** to scaling up production and creating an infrastructure at international level. This includes a vision to turn clean hydrogen into a viable solution to decarbonise different sectors over time, installing at least 6 GW of renewable hydrogen electrolyser in the EU by 2024 and 40 GW by 2030. Ammonia is a source of hydrogen and easier to store and transport.

Ready to learn how the HySTrAm project will solve this issue? Keep reading!

WHAT IS THE HYSTRAM PROJECT ABOUT?

The project has been granted €5,7 million from the European Union's *Horizon Europe* research and innovation programme to contribute to the deployment of low carbon industry applications and breakthrough technologies in the field of hydrogen storage. It was launched on 1st June 2022 and will be running for three years until 31 May 2025.

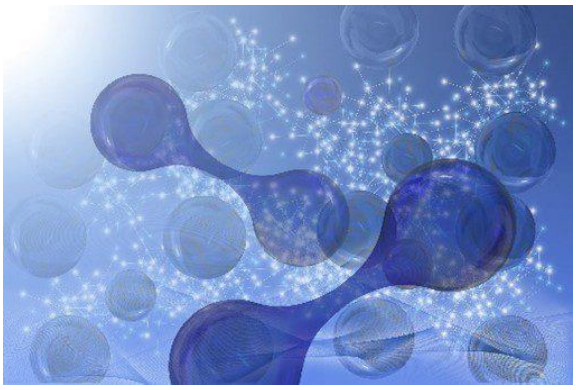
Leading representatives from industry, research and technology organisations from 12 European countries have joined forces to develop an economic and commercial process for the production of 'green ammonia'. The HySTrAm project will facilitate the transformation of hydrogen into ammonia, thereby contributing to the decarbonisation of the energy sector.

READ MORE

Objectives

The HySTrAm' ambition is to contribute to the deployment of low carbon industry applications and breakthrough technologies in the field of hydrogen storage.

READ MORE

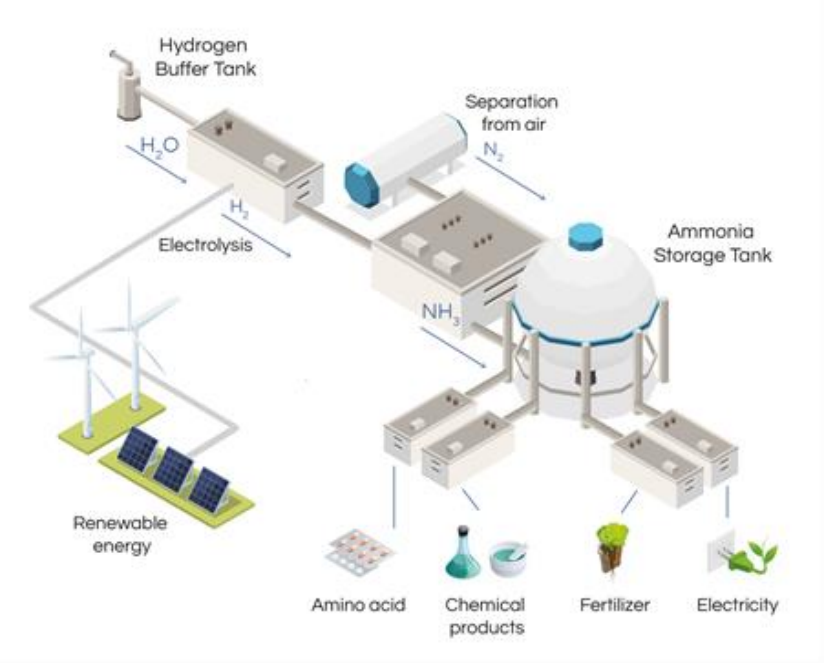


Impact

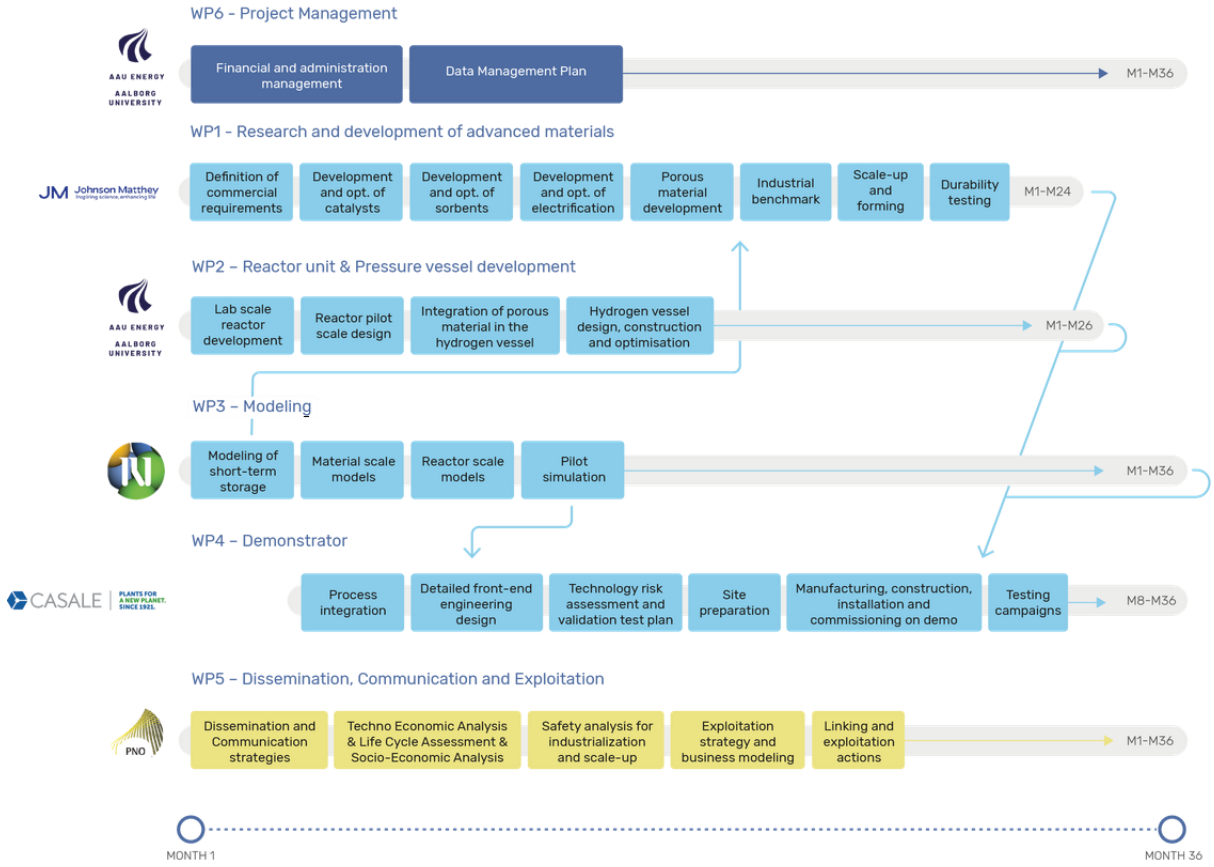
The HySTrAm project will develop innovative solutions to produce 'green ammonia' from hydrogen at lower pressure, thereby making the process more efficient.

READ MORE

THE HYSTRAM CONCEPT



THE HYSTRAM WORK PLAN



PROJECT PROGRESS SO FAR

VALUE CHAIN OVERVIEW FOR DISSEMINATION AND EXPLOITATION

Figure 1 - Overview of the most relevant organisations identified through the analysis led by Ciaotech and classified within the defined HySTrAm value chain.

During the first 6 months of the HySTrAm project lifecycle, Ciaotech performed a multi-criteria intelligence analysis to identify and position the most relevant stakeholders of interest within the defined HySTrAm Value Chain for dissemination and exploitation purposes.

The analysis identified a total of 151 organizations, embedding 104 Materials Producers & Process Developers (e.g., Johnson Matthey, Haldor Topsoe, Gasvessel), 12 Process Validators (e.g., Thyssenkrup, Casale, Hysytech), 50 End Users (e.g., BASF, Engie, Yara, Shell), and 11 Horizontal organisations (e.g., PNO, Agentur für Erneuerbare Energien, and the Ammonia Energy Association). A high-level overview of the organizations identified is presented in Figure 1.

READ MORE

HySTrAm officially launched

On 27-28 June 2022, the HySTrAm consortium met for the first time in Aalborg, Denmark, to kick-off the collaborative work.

READ MORE

Six-months progress meeting

On 29-30 November 2022, the HySTrAm consortium gathered in Bari, Italy, to discuss the project progress.

READ MORE

First Press Release

Read the first HySTrAm press release and know more about the objectives and impacts of the project

READ MORE

HySTrAm in 1-min

Learn how HysTrAm is supporting the 2020 EU Strategy for energy system integration with its innovative solution.

READ MORE

MEET THE CONSORTIUM

FOLLOW US FOR MORE UPDATES!