

Hy₂Market

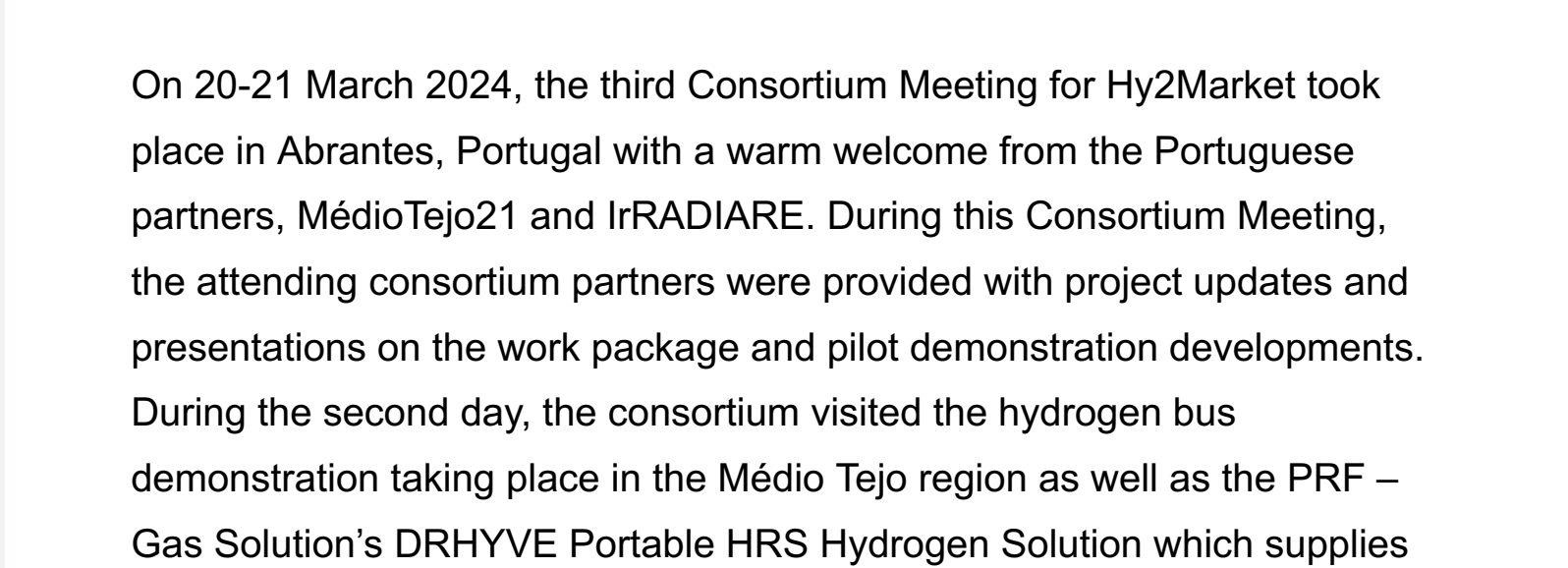


Creating the Hydrogen Market for Europe

Welcome to the second newsletter of the Hy2Market project, where we highlight the latest advancements and collaborative efforts shaping the future of hydrogen transport and distribution in Europe. In March 2024, the third Consortium Meeting was held in Abrantes, Portugal, hosted by the Portuguese partners MédioTejo21 and IrRADIARE. This gathering provided an invaluable opportunity for project partners to receive updates and share insights on work package and pilot demonstration developments. A highlight of the event was the visit to the hydrogen bus demonstration and the PRF – Gas Solution's DRHYVE Portable HRS Hydrogen Solution, showcasing practical applications of hydrogen technology in the Médio Tejo region.

This newsletter also focuses on key project developments in Work Package 3, which aims to improve and test innovative hydrogen transport solutions between production sites and users. In the Auvergne-Rhône-Alpes region, the project highlights the work of Compagnie Nationale du Rhône and VENSOLAIR in developing an electrolyser for renewable hydrogen production. Additionally, the release of Deliverable 3.1 underscores the project's commitment to advancing pipeline materials, with SoluForce's high-pressure flexible composite pipes being piloted for hydrogen transport. Finally, the Hy2Market International Knowledge Exchange Workshop series facilitates vital knowledge exchange and collaboration among project partners and external stakeholders. Registration for the first scheduled online event on Tuesday, 18 June from 9:00-11:00 (CEST) can be found below. Also, stay connected with us on [LinkedIn](#) for the latest updates and developments!

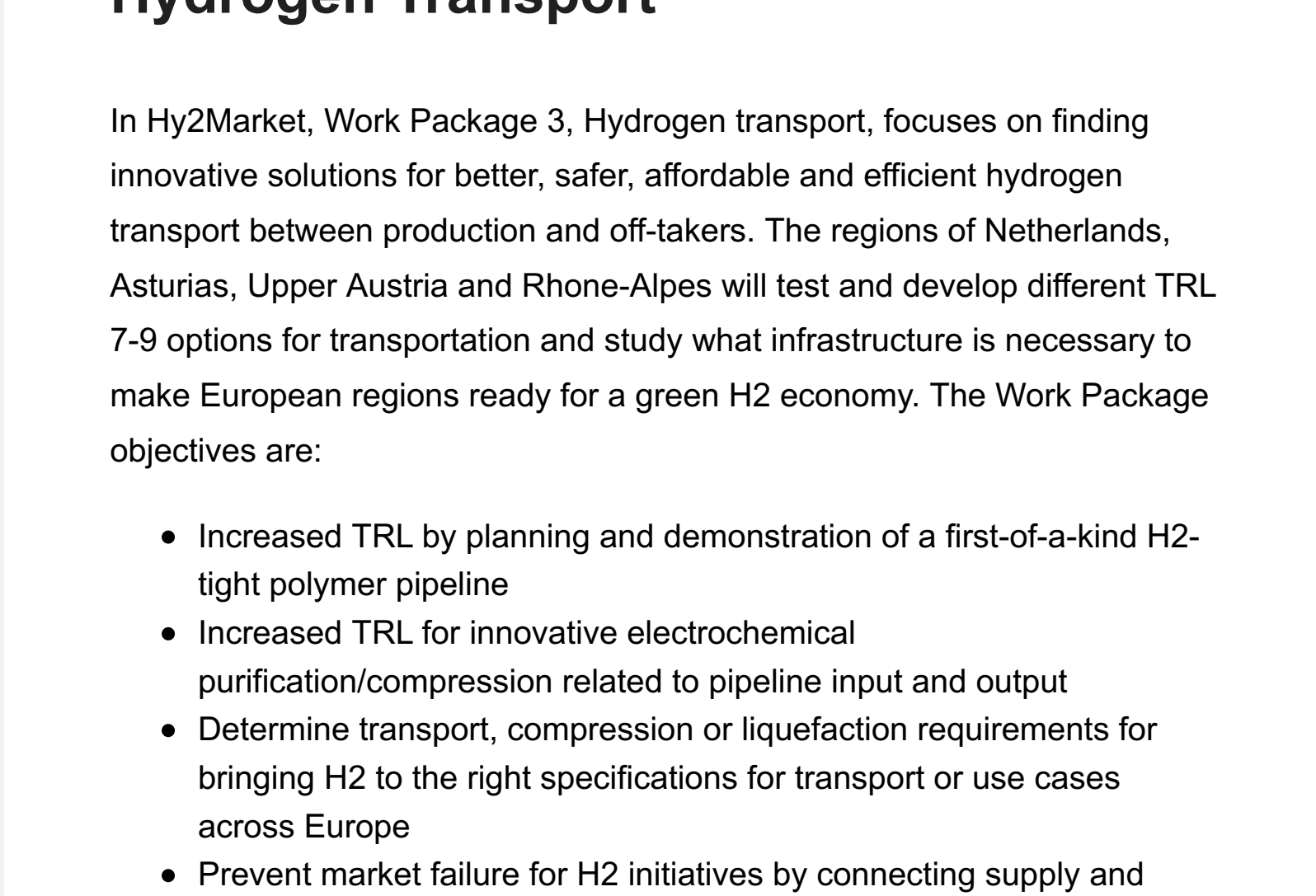
Latest News



March Consortium Meeting

On 20-21 March 2024, the third Consortium Meeting for Hy2Market took place in Abrantes, Portugal with a warm welcome from the Portuguese partners, MédioTejo21 and IrRADIARE. During this Consortium Meeting, the attending consortium partners were provided with project updates and presentations on the work package and pilot demonstration developments. During the second day, the consortium visited the hydrogen bus demonstration taking place in the Médio Tejo region as well as the PRF – Gas Solution's DRHYVE Portable HRS Hydrogen Solution which supplies the hydrogen bus.

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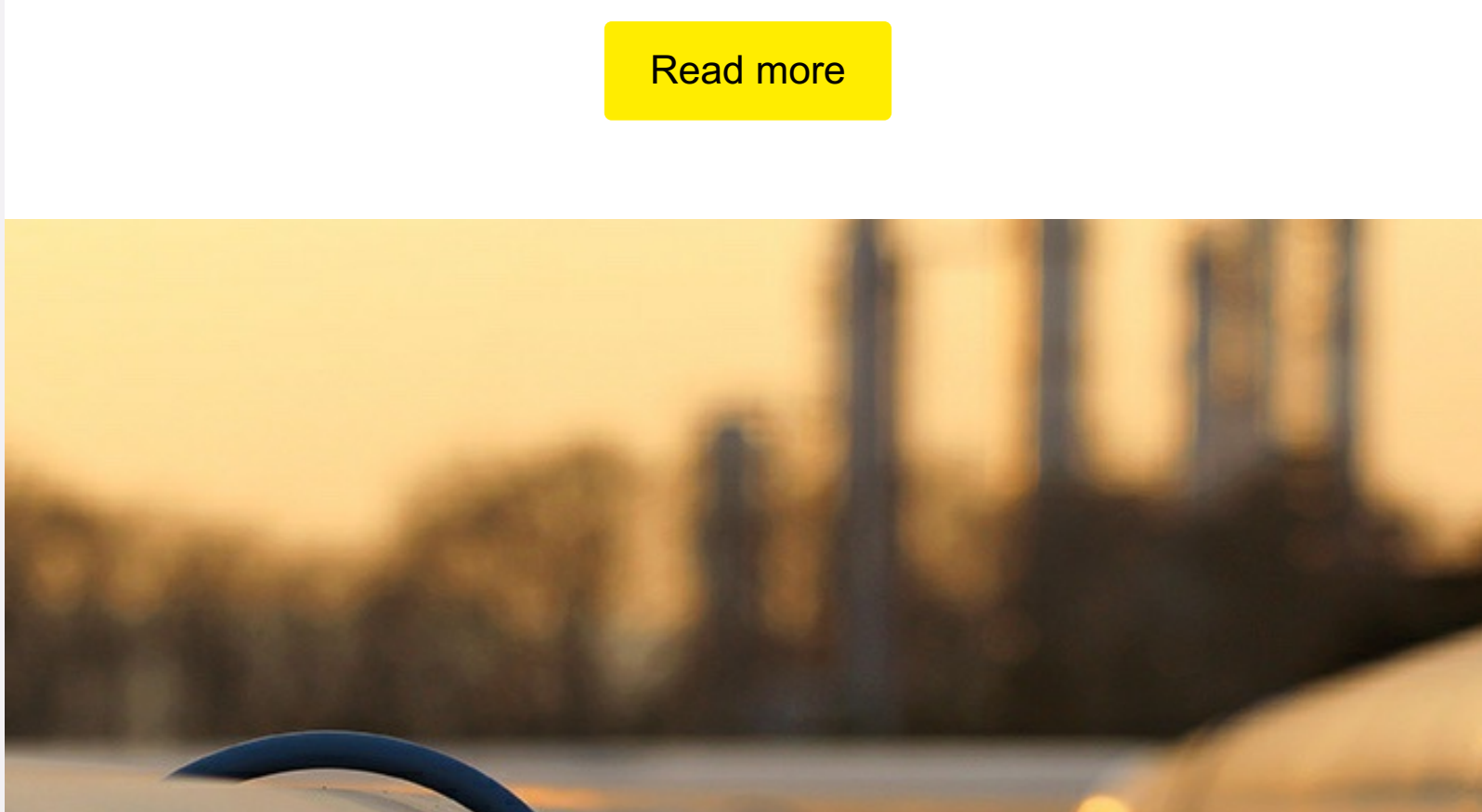


Hydrogen Transport

In Hy2Market, Work Package 3, Hydrogen transport, focuses on finding innovative solutions for better, safer, affordable and efficient hydrogen transport between production and off-takers. The regions of Netherlands, Asturias, Upper Austria and Rhone-Alpes will test and develop different TRL 7-9 options for transportation and study what infrastructure is necessary to make European regions ready for a green H2 economy. The Work Package objectives are:

- Increased TRL by planning and demonstration of a first-of-a-kind H2-tight polymer pipeline
- Increased TRL for innovative electrochemical purification/compression related to pipeline input and output
- Determine transport, compression or liquefaction requirements for bringing H2 to the right specifications for transport or use cases across Europe
- Prevent market failure for H2 initiatives by connecting supply and demand and providing specific advice on infrastructure for Hy2Market pilots in other WPs

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Hy2Market Regional Highlight: Auvergne-Rhône-Alpes, France

The Auvergne-Rhône-Alpes Region is one of the participating regions in the Hy2Market Consortium, where the French partner, Compagnie Nationale du Rhône (CNR), represents the region. CNR is France's leading producer of 100% renewable electricity with a total installed capacity of 4GW (3.1 GW of hydro, 735 MW of wind and 135MW of solar). VENSOLAIR, an expert in the development of renewable energies and a full affiliate of CNR group, develops an electrolyser located next to CNR's hydropower plant of Pierre-Bénite (Rhône department) that will supply green electricity to produce renewable hydrogen from water electrolysis. VENSOLAIR will consider different solutions for the pipeline that will be built to link the electrolyser to the industrial customers in the Rhône Valley.

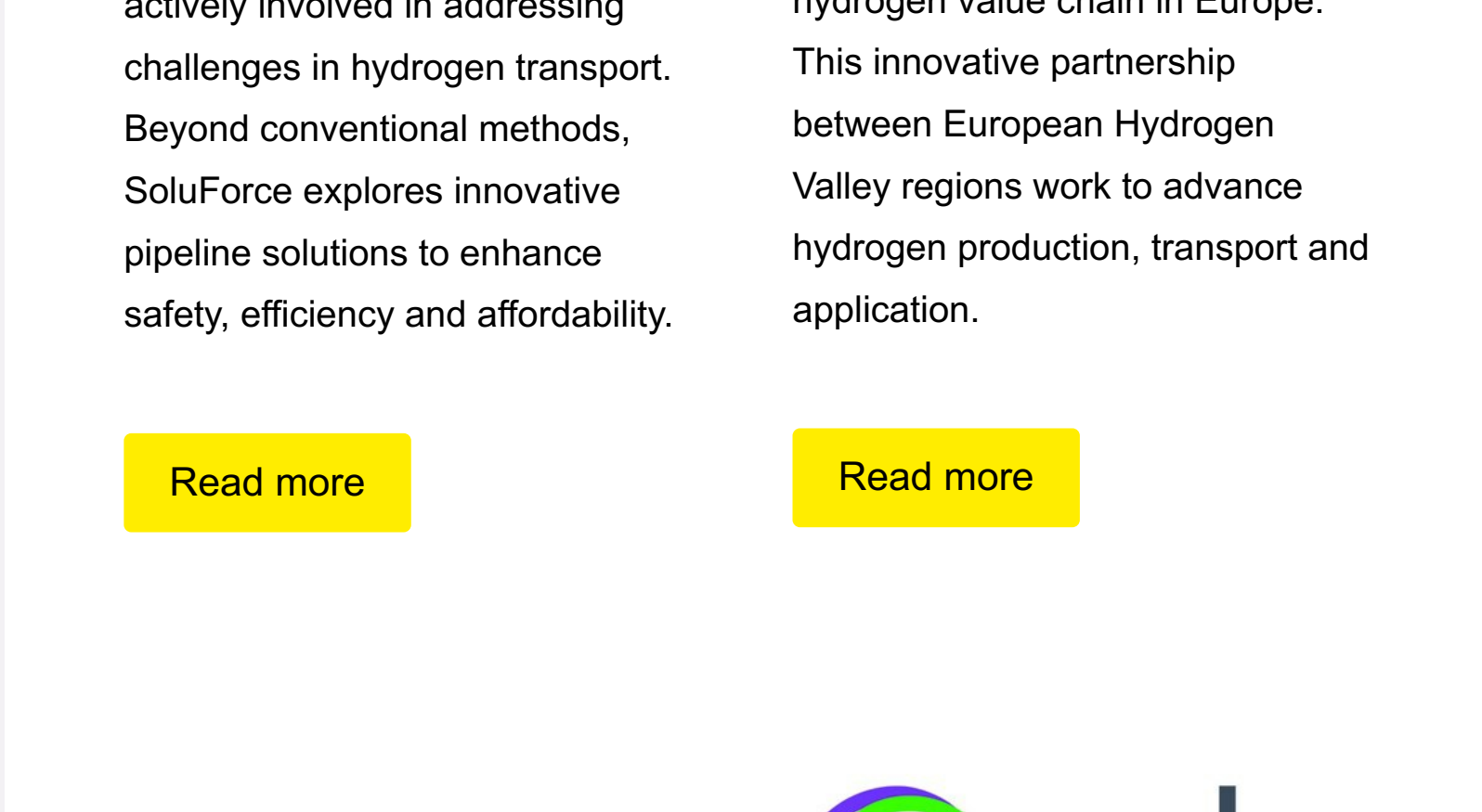
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Deliverable 3.1 Summary Report on Pipeline Material Testing Campaign and Deployment Plan

This deliverable in the Hy2Market project focuses on innovative solutions on pipeline material for hydrogen transport between production sites and users. More specifically, SoluForce's high-pressure flexible composite pipes (FCP), which are fully certified for hydrogen transport, offer significant cost, safety, and environmental benefits compared to traditional steel pipes. SoluForce pipes will be piloted in the Netherlands and further assessed for deployment in France's Rhone-Alpes region and Spain's Asturias region while ensuring compliance with local regulations and standards.

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Hy2Market International Knowledge Exchange Workshop

The Hy2Market International Knowledge Exchange Workshop series facilitates vital knowledge exchange and collaboration among project partners and external stakeholders, fostering the development of a robust green hydrogen economy in Europe. The first scheduled online event in this series will take place on Tuesday, 18 June 2024 from 9:00-11:00 (CEST). Registration is free.

[Read more](#)

Meet the Hy2Market Project Partners

SoluForce

SoluForce is a key participant, actively involved in addressing challenges in hydrogen transport. Beyond conventional methods, SoluForce explores innovative pipeline solutions to enhance safety, efficiency and affordability.

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Firan

Firan helps to realize a future-proof hydrogen value chain in Europe. This innovative partnership between European Hydrogen Valley regions work to advance hydrogen production, transport and application.

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CNR

CNR is partner in the Hy2Market project to gain experience and to exchange knowledge about renewable hydrogen production, hydrogen transport, for industrial and mobility purposes. In the Hy2Market project, CNR will conduct a study to find the optimal deployment plan, including regulatory affairs, for the pipeline network under the Rhône river.

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edp

EDP Spain participates in the work package, industrial use of hydrogen. EDP is leading task 4.1, Energetic Use of Hydrogen, where they will develop the engineering and manufacturing of burners that could be potentially installed in the coal power plant of Aboño in Asturias. EDP also collaborates with other partners in task 4.2, H2 as Feedstock, and 4.3, Evaluation & Roll out.

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HyET Hydrogen

HyET Hydrogen's role within the Hy2Market project is to demonstrate the performance of its compression and purification technology when applying it to real industrial scale cases.

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HyEnergy TranStore

HyEnergy TranStore is developing, engineering and investing in a pipeline connection between the Nobian chlor-alkali facility and the HTS designated site, using new novel pipeline materials.

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