

Hy₂Market

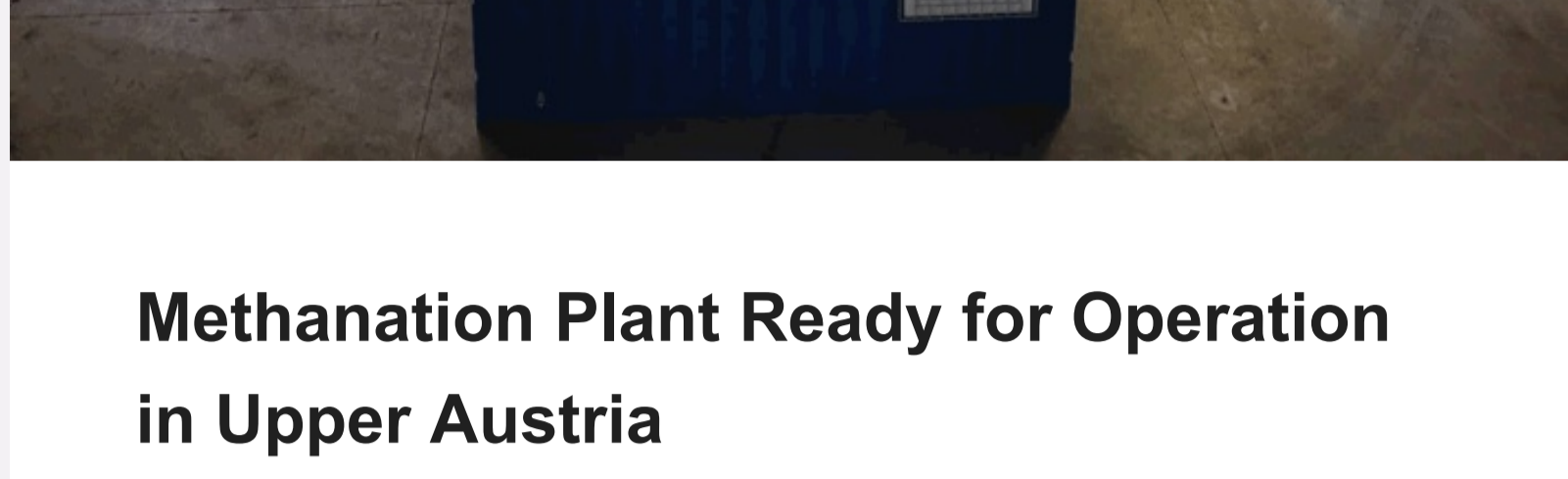


Creating the Hydrogen Market for Europe

As we wrap up an exciting and productive year for the Hy2Market project, we're excited to present key updates and achievements in this final newsletter of 2024. This quarter has been marked by significant progress, from the commissioning of a state-of-the-art methanation plant in Upper Austria to the release of our latest report on Market Research on Thermochemical Techniques for Waste-to-Hydrogen technologies. We also highlight one of the participating regions in the Hy2Market project, Western Macedonia, and their energy transition journey. To kick off the New Year, we invite you to join us for an International Knowledge Exchange Workshop focusing on hydrogen transportation and distribution.

These milestones underscore the dedication of our partners and stakeholders to building a sustainable green hydrogen economy across Europe. As we look forward to another impactful year, we wish you a joyful holiday season and a prosperous start to 2025! Stay connected with us on [LinkedIn](#) for the latest updates and developments. Together, we can drive innovation and collaboration toward a cleaner, hydrogen-powered future!

Latest News



Methanation Plant Ready for Operation in Upper Austria

A new milestone in the Hy2Market project has been achieved with the completion of a mobile methanation pilot plant in Upper Austria. Developed by Montanuniversität Leoben (MUL) in collaboration with K1-MET GmbH and voestalpine Stahl GmbH, this innovative facility showcases catalytic methanation as a key enabler for the energy transition. Designed to convert CO₂ and renewable hydrogen into synthetic methane, the pilot plant tackles challenges in dynamic operation and integrates seamlessly with existing industrial systems, such as the voestalpine steel plant in Linz. With experimental campaigns set to begin, this project demonstrates the promise of power-to-gas technologies in decarbonizing industry and advancing sustainable energy solutions.

[Read more](#)



Hy2Market Regional Highlight: Western Macedonia

Western Macedonia, Greece's historical "energy heart," is undergoing a remarkable transformation to become a green energy hub. Supported by initiatives like the Hy2Market project and driven by partners such as CluBE (Cluster of Bioeconomy and Environment of Western Macedonia), the region is aligning with Greece's National Plan for Energy and Climate and the European Green Deal. Key projects include evaluating hydrogen applications, developing green hydrogen refueling infrastructure through the LIFE GREENH2ORN project, and advancing workforce training with GreenSkillsforH2. Western Macedonia's role in developing Europe's first high-pressure hydrogen-ready pipeline further underscores its commitment to sustainable energy, making it a model for coal-dependent regions transitioning toward climate neutrality.

[Read more](#)



Knowledge Exchange: Insights Within and Beyond Hy2Market

Collaboration and knowledge sharing are essential for the success of Hy2Market. Our Knowledge Exchange Platform serves as a vital internal tool for project partners, fostering communication, alignment, and the sharing of developments across the project. Beyond the consortium, Hy2Market also emphasizes external knowledge sharing. Through initiatives such as the International Knowledge Exchange Workshop series, we engage with stakeholders outside the project, sparking dialogue on hydrogen innovations and facilitating the practical application of project findings.

Key focus areas include:

- Accelerating Innovation: Connecting experts to develop deployable hydrogen solutions.
- Shaping Regulations and Standards: Addressing regional differences to streamline adoption.
- Building Skills for the Future: Preparing professionals for a hydrogen-driven economy.
- Sharing Best Practices: Engaging wider audiences through events and webinars.

[Read more](#)



Deliverable 2.18: Market Research and Thermochemical Techniques for Waste-to-Hydrogen

Hy2Market partner New Energy Coalition has released an insightful report exploring how biodegradable waste can be converted into hydrogen through advanced thermochemical processes such as gasification and pyrolysis. This comprehensive study examines waste volumes and hydrogen production potential across Europe, highlights the opportunities and challenges for scaling Waste-to-Hydrogen technologies, and examines pathways to boost Technology Readiness Levels (TRL) toward commercialization. By driving these innovations, the report aligns with EU climate goals and the circular economy, offering valuable guidance for stakeholders aiming to shape a sustainable hydrogen future.

[Read more](#)



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 third scheduled online event in this series focuses on the transportation and distribution of hydrogen, and will take place on Tuesday, 21 January 2025 from 10:00-11:30 (CET). Registration is free.

[Read more](#)

Meet the Hy2Market Project Partners



Montan Universität Leoben supports the transition to a low-carbon future by integrating a methanation pilot plant in the Linz steelworks to convert green hydrogen and CO₂ into synthetic natural gas.

[Read more](#)



CluBE contributes by evaluating hydrogen compression needs, solutions for hydrogen use in power plants and industrial sectors, and sharing data and insights for replication and implementation in the Western Macedonia region.

[Read more](#)



voestalpine Stahl GmbH plays a key role by upgrading its 6MW PEM electrolyzer system in Linz with purification and drying units to produce high-quality hydrogen for fuel cell applications and other industrial uses.

[Read more](#)



K1-MET GmbH focuses on investigating Carbon Capture and Utilization (CCU) technologies to demonstrate a closed carbon cycle in the steel industry, aiding in the decarbonization of energy-intensive industries.

[Read more](#)

Hy₂Market

Co-funded by the European Union

Contact:
Nijenborg 6
9747 AG Groningen
The Netherlands

T +31 88 11 66 800
info@hy2market.eu
www.hy2market.eu

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#).