

## **Mobile Electrolyser Arrives to Kickstart Hydrogen Testing in Glass Manufacturing**

*The H2GLASS Project Welcomes Arrival of Portable Electrolyser for Industrial Demonstrators.*

The H2GLASS project is proud to announce the arrival of its state-of-the-art **2,5 MWe portable PEM electrolyser**, a key milestone in advancing hydrogen technologies for the glass industry. This electrolyser will travel across Europe to support **long-term testing of hydrogen combustion in glass melting processes**, paving the way for a more sustainable future.

The journey begins in **l'Ardoise, France**, at **Owens Corning**, where the electrolyser will be deployed for extensive trials starting in February. Building on OVC's groundbreaking 2025 pilot to operate the L'Ardoise furnace with hydrogen gas, this work represents the next step toward the future for decarbonisation and circularity. By producing green hydrogen on-site, the system will enable real-world demonstrations of hydrogen integration into industrial glass furnaces, significantly reducing carbon emissions and accelerating the transition to cleaner energy solutions.

*"The arrival of the mobile electrolyser marks a major step forward for H2GLASS. By enabling on-site hydrogen production and testing with higher amounts of fuel at multiple industrial locations, we are demonstrating that decarbonising glass manufacturing is not just a vision, it's becoming reality. This flexibility allows us to gather critical data under real operating conditions, accelerating the transition to sustainable glass production across Europe."*

— Chiara Caccamo, Project Coordinator, SINTEF

This mobile approach ensures flexibility and efficiency, allowing the electrolyser to serve multiple industrial partners throughout the project. Traveling to 4 different partners in 3 countries (France, Italy and Slovenia). Each deployment will provide valuable insights into operational performance, safety, and scalability, which are critical steps toward decarbonising one of the most energy-intensive sectors.

For more information you can contact [H2GLASS@steinbeis-europa.de](mailto:H2GLASS@steinbeis-europa.de) or project coordination Chiara Caccamo ([Chiara.Caccamo@sintef.no](mailto:Chiara.Caccamo@sintef.no)).

## About H2GLASS:

H2GLASS is an EU-funded project dedicated to accelerating decarbonisation in the glass industry by developing the technology needed for full hydrogen combustion in production facilities. The consortium brings together six industrial demonstrators from the glass and aluminium sectors, alongside leading research and industry partners, to develop, test, and validate H2GLASS solutions and demonstrate their transferability to other hard-to-abate industries.

