



PYROCO₂ H2020 EU Project to install Production of Green Hydrogen from Power to Hydrogen

PRESS RELEASE

[PYROCO₂](#) is in the final phase of construction of facilities for its demonstrator and has selected Power to Hydrogen to produce green hydrogen for the process. The Power to Hydrogen AEM electrolyser system will be deployed at SINTEF's piloting facility at Tiller, Norway, for PYROCO₂'s novel gas fermentation process. This process combines green hydrogen and captured carbon dioxide to produce zero-emission acetone, a platform chemical used across solvents, plastics, and industrial value chains.

This new installation is part of the PYROCO₂ flagship EU Horizon 2020 Green Deal project, involving a consortium led by SINTEF. The project aims at demonstrating a commercially viable route targeting one of the key challenges in the management of the carbon cycle: making direct use of captured CO₂ to produce industrial chemicals. Hydrogen supply to the process being entirely from renewable electricity is a key contribution to a low emissions profile of the end-product acetone. Power to Hydrogen's AEM architecture is engineered for fast load-following with intermittent renewable power and low degradation under continuous industrial cycling, making it a direct fit for the operational profile that projects like PYROCO₂ require

ABOUT PYROCO₂

Demonstrating sustainable value creation from industrial CO₂ by its thermophilic microbial conversion into acetone. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101037009 (Visit pyroco2.eu).

ABOUT POWER TO HYDROGEN

Power to Hydrogen (P2H2) makes industrial-scale electrolyzer systems that produce green hydrogen from renewable electricity. Its anion exchange membrane (AEM) platform is designed to deliver dynamic performance. P2H2's systems are engineered for direct integration with variable renewable power and are designed to scale to repeatable multi-megawatt deployments (Visit power-h2.com).

