PRESS RELEASE

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STORMING Final Event in Arnhem

The STORMING project concluded with its Final Event at Act Eventstudios in Arnhem, gathering partners, collaborators, and stakeholders from across Europe.

The event highlighted three years of research focused on CO_2-free methane catalytic cracking, a technology designed to produce hydrogen without generating emissions while creating valuable carbon nanomaterials. Sister projects under the Horizon Europe call HORIZON-CL5-2021-D2-01-09 also took part, reinforcing cooperation within the EU's clean energy research landscape.

Launched in 2022, STORMING developed electrified reactor systems that combine advanced catalysis with alternative heating methods such as microwave, induction, and Joule heating. The results presented in Arnhem demonstrated significant progress in methane conversion efficiency and energy performance. Key achievements include the use of 3D printing to design structured monoliths, enabling greater precision and scalability, and the validation of reactor prototypes capable of producing CO_2-free hydrogen and solid carbon nanomaterials suitable for industrial use.

The event concluded with a visit to HyGear's laboratories, where participants viewed the full-scale reactor prototype developed through the project. This final demonstration illustrated how electrified catalytic reactors can support Europe's shift toward low-emission hydrogen production. The discussions throughout the day confirmed STORMING's contribution to advancing sustainable technologies and strengthening collaboration between research and industry.

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