(BOOST)- BOOSTING CROSS-BORDER HYDROGEN IN INDUSTRY, RESEARCH AND EDUCATION

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Main goal:
The main goal of the project is to developing an innovative software-based toolbox for low-temperature electrolysers. This enables companies along the green hydrogen production chain to digitally analyse, evaluate and optimise use cases in advance of real implementation. This toolbox is freely configurable so that components can be easily exchanged or adapted to simulate and compare different situations, plant designs or electrolysis processes. Our role is leading the activities for developing a dynamic model for green hydrogen production plants. Through detailed modeling, we will investigate the dynamic operation of these systems, ensuring seamless transitions between different operational states.

In addition to the use of the tool in the context of project planning and in the business environment, the toolbox will be implemented in the education and training of specialists.

FUNDING/PROGRAMME: INTERREG

Interreg (Ko-finanziert von der Europäischen Union / (Mede) gefinancierd door de Europese Unie)
Deutschland – Nederland

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Collaborators:
FH Muenster (project leader), Saxion, Powerspex, HyGear, Pondera, BEN-Tec, NWBA, ZBT, roc van twente, H2 Hub Twente, oostnl, Enapter, HORIZON

Full partners

powerspex · PONDERA · HYGEAR THE GLOBAL HYDROGEN SOURCE · UNIVERSITY OF TWENTE. · BEN-Tec · SAXION · FH MÜNSTER University of Applied Sciences

Associated partners

NWBA · ZBT · roc van twente · H2 Hub Twente Waterstof Platform · oost nl · Enapter · D·C Drenthe College · HORIZON INVEST IN FLEVOLAND

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