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REDHY

Redox-Mediated economic, critical raw material free, low capex and highly efficient green hydrogen production technology

REDHY - Deliverable report

DELIVERABLE 4.2 – Modelling of the REDHy system

The project is supported by the Clean Hydrogen Partnership and its members.

Clean Hydrogen Partnership

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Public Summary

A COMSOL Multiphysics® digital twin for the REDHy system has been built. It allows evaluating the influence of the porous electrode structure on the current density of the REDHy system. It permits also to evaluate the ideal parameters (solubility, charge transfer kinetic, flow velocity, etc.) that will allow achieving the forseen performances.

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Project partners:

#	Partner short name	Partner Full Name
1	DLR	DEUTSCHES ZENTRUM FUR LUFT – UND RAUMFARHT EV
2	CNRS	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIC
3	UNR	UNIRESEARCH BV
4	UPV	UNIVERSITAT POLITECNICA DE VALANCIA
5	IDN	INDUSTRIE DE NORA SPA-IDN
6	CENMAT	CUTTING-EDGE NANOMATERIALS CENMAT UG HAFTUNGSBESCHRANKT
7	CNR	CONSIGLIO NAZIONALE DELLE RICERCHE

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