

Van Wijk & Chatzimarkakis (Hydrogen Europe): Green Hydrogen for a European Green Deal: A 2x40 GW Initiative

<https://www.hydrogen4climateaction.eu/2x40gw-initiative>

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The strategy paper "Green Hydrogen Initiative 2x40 GW in 2030" sets out a vision endorsed by the European hydrogen industry represented by Hydrogen Europe.

The European Union together with North Africa, Ukraine and other neighbouring countries have a unique opportunity to realise a green hydrogen system. Europe including Ukraine has good renewable energy resources, while North Africa has outstanding and abundant resources. Europe can re-use its gas infrastructure with interconnections to North-Africa and other countries to transport and store hydrogen. And Europe has a globally leading industry for clean hydrogen production, especially in electrolyser manufacturing. If the European Union, in close cooperation with its neighbouring countries, wants to build on these unique assets and create a world leading industry for renewable hydrogen production, the time to act is now. Dedicated and integrated multi GW green hydrogen production plants, will thereby unlock the vast renewable energy potential.

By realizing 2x40 GW electrolyser capacity, producing green hydrogen, about 82 million ton CO2 emissions per year could be avoided in the EU. The total investments in electrolyser capacity will be 25-30 billion Euro, creating 140,000-170,000 jobs in manufacturing and maintenance of 2x40 GW electrolysers.

The industry needs the European Union and its member states to design, create and facilitate a hydrogen market, infrastructure and economy. Crucial is the design and realisation of new, unique and long-lasting mutual co-operation mechanisms on political, societal and economic levels between the EU and North Africa, Ukraine and other neighbouring countries.

Quelle: Webseite Hydrogen Europe

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Länder / Organisationen: Ägypten, Algerien, Äthiopien, Libyen, Marokko, Namibia, Niger, Nigeria, Südafrika, Tansania, Tunesien, Deutschland, Frankreich, Griechenland, Niederlande, Norwegen, Polen, Portugal, Rumänien, Schweiz, Spanien, Ukraine, EU

Themen: Energie, Engineering und Produktion, Physik. u. chem. Techn., Strategie und Rahmenbedingungen, Umwelt u. Nachhaltigkeit, Wirtschaft, Märkte

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