

HyDEER

Start	2024
Subsidy	€ 365.000
Private contribution	€ 156.400
Project Coordinator	Jos Boere
Expected results	2027

Project partners



Description of the project:

The province of Flevoland is facing serious grid congestion issues. Circul8 aims to help solve this problem by converting part of the region’s electricity production and curtailment into green hydrogen. This is the goal of HyDeer, a 105 MWe electrolyser. The facility is planned to be built next to a 45 MW solar park. Excess energy can be stored in the form of hydrogen, which Circul8 may also convert into green ammonia to supply local businesses across various sectors. The environmental impact study is aimed at identifying and evaluating technical and financial design options for the electrolyser in combination with several innovations.

Impact:

Acceleration	☑
Scaling up	☑
Reducing costs	☑
Innovative ecosystem	☑
New talents	

- **Acceleration** by speeding up the development of the hydrogen hub by clearing environmental and permitting hurdles early in the process.
- **Scaling up** by stablishing a robust pre-engineering plan.
- **Reducing costs** minimizing both environmental and financial risk by evaluating design options and refining the business case based on real data.
- **Innovative ecosystem** by fostering interdisciplinary collaboration around future renewable hydrogen infrastructure.

