

Moving towards 2030 and 2050 with hydrogen

The energy transition requires new forms of infrastructure and intelligent use of existing networks. Gasunie wants to invest in new infrastructure for renewable gases such as hydrogen.

Hamburg Port of Amsterdam Port of Rotterdam Ruhr area Conversion North Sea Port Transport Storage Antwerp Chemelot 2022 2021 2023 2024 H_s- projekt Hydrogen district **GZI Next** Djewels Element 1 **HyNetherlands** Northern H₂ Infra

2016 Paris Agreement:

2016

max. 2°C. This requires

- 40-50% in 2030
- 85-100% in 2050

as a raw material can help to achieve

Hydrogen pipeline

2018

Retrofit former natural gas

2019

HyStock via 1 MW electrolysis test centre.

Hydrohub

Hydrogen refuelling

2020

stations and buses

Haurup

Hoogeveen Construction of 80

2-4 MW

2028

2030

2024

(12)

Hydrogen

storage

2025

2026

(14)

H₂M

CUST

Hydrogen district Stad aan 't Haringvliet

North Sea Wind Farm

Backbone

NortH.

offshore wind

2027

H-vision

HyNetherlands

H₂M phase ₂

2029

CUST

North Sea Wind Power Hub