

Green H₂ to enable the transition towards a sustainable and future proof industry

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Your partner
in essential chemistry
for a sustainable
future

AkzoNobel
SPECIALTY CHEMICALS

Nouryon

Nouryon has a resilient portfolio organized in five strong chemical platforms

Nouryon

Our main chemical platforms

Our products

Our business units

Bleaching chemicals

- Sodium chlorate
- Hydrogen peroxide

Pulp & Performance Chemicals

Salt-chlorine chain

- Energy/Salt
- Caustic/Chlorine
- MCA
- Chloromethanes

Industrial Chemicals

Electrochemistry

Polymer chemistry

- Organic peroxides
- Metal alkyls
- Polymer additives

Polymer Chemistry

Ethylene oxide network

- Ethylene oxide
- Ethylene amines
- Cellulosics
- Chelates

Ethylene and Sulfur Derivatives

Surfactants

- Ethoxylates
- Natural oil & fat-based nitrogen surfactants

Surface Chemistry

We have >100 yrs of expertise in production and supply of green hydrogen from 1000 MW electrolyzers

Nouryon

Active in electrochemistry since 1899

Water electrolysis since 1940

46% share of renewable energy

Chlor-alkali



Sodium chlorate



Water electrolysis



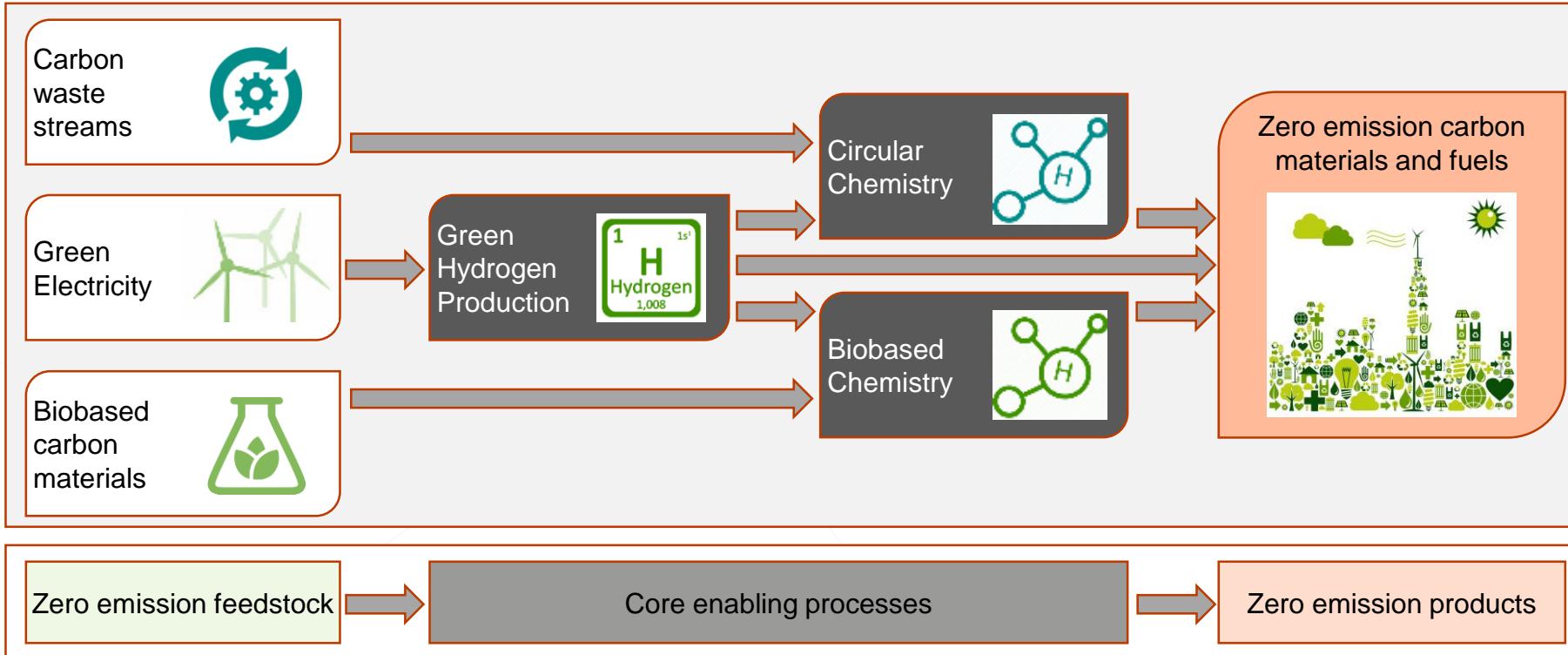
Installed capacity: 380 MW
H₂ production: 38 kta

Installed capacity: 620 MW
H₂ production: 62 kta

Installed capacity: 10 MW
H₂ production: 1.5 kta

Nouryon operates 1000 MW of electrolysis capacity

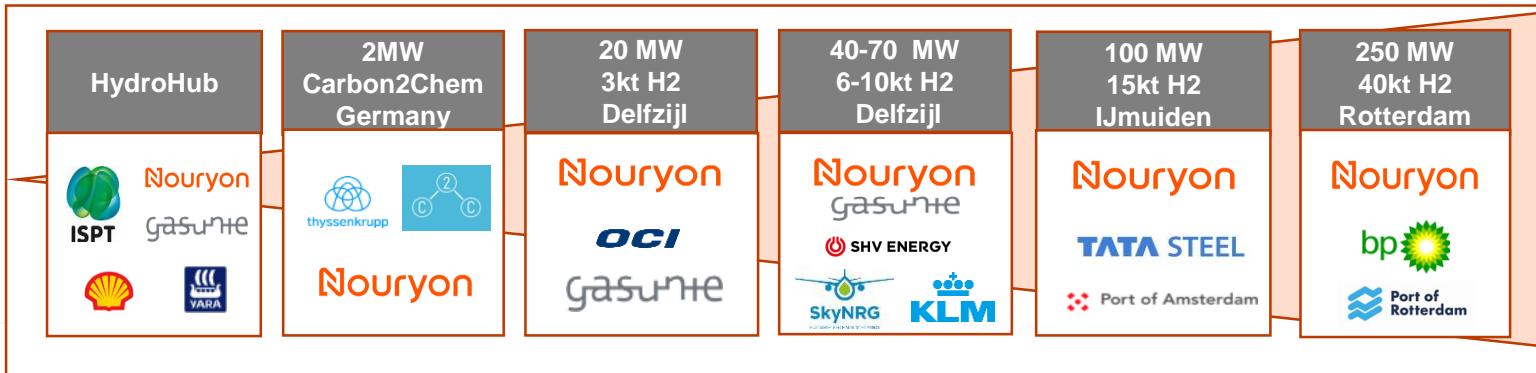
The chemical industry can enable the climate transition, this requires new value chains & scale-up



We work on realizing electrolyser scale-up and the establishment of new partnerships

Nouryon

Building towards scale-up



We work with partners on the hydrogen economy



In Delfzijl, we're taking a first step in building a sustainable industry

Delfzijl, the Netherlands

20MW → Scale up

Nouryon
gasunie
BioMCN

Chemical industry

- Replacing hydrogen produced by fossil fuel
- As building block for everyday products



Thank you for your attention



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