THG Quote

Gamechanger für den Wasserstoffhochlauf oder Geschäftsmodell auf Zeit?



GreenTrax

About GreenTrax



FOR MORE RENEWABLES IN TRANSPORT & INDUSTRY

RED III: The European Union Defines Green Hydrogen

Defines target values for the use of renewable energies and/or CO_2 emission reductions at a fixed timeframe.

Example transportation

29%

of energy used in transportation needs to be renewable until 2030

or

14.5%

Alternatively, emissions need to be reduced by 14.5%

RED is a DIRECTIVE

Member States have to adopt, but have certain freedom in achieving the targets

No binding regulatory framework, but Member states need to translate RED III into state law

RED is often used to generate a base for a local, state-wide market in each selective member state

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Green Hydrogen as Defined by RED III

1 Electricity sourcing criteria

Verification per Delegated Regulation EU 2023/1184

- Fully vs. partially renewable fuel: fully renewable fuel must generally meet all criteria, incl. a green PPA
- Additionality for renewable energy plants
- Geographical and temporal correlation of generation and demand

2 GHG intensity calculation

≥ 70% **minimum GHG saving vs. the fossil reference**

- All emissions of the production process:
  - Inputs: electricity, water, nitrogen
  - Production: leakages, waste treatment
  - Transport: diesel truck to filling station
- Data preparation and analysis
- Presentation of the calculation method

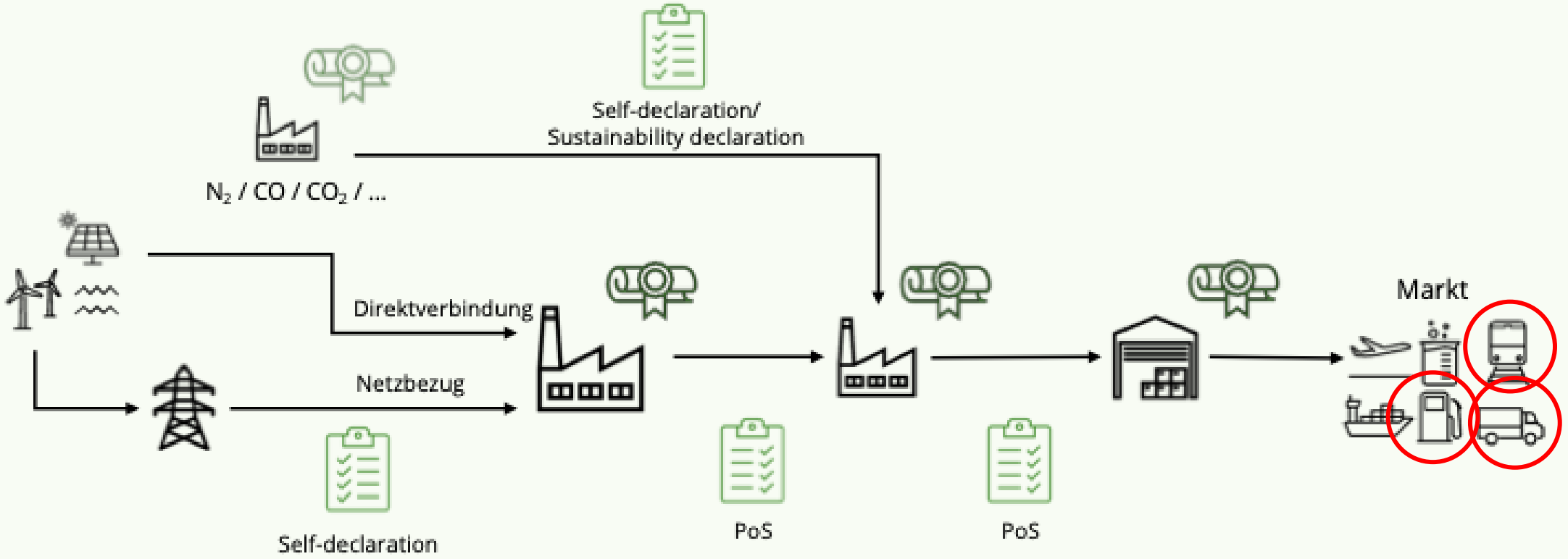
3 Documentation

Documents as required by the system requirements:

- Proof of employee training
- Organisation charts documenting clear responsibilities
- Documentation of risk management
- Manual for the auditor

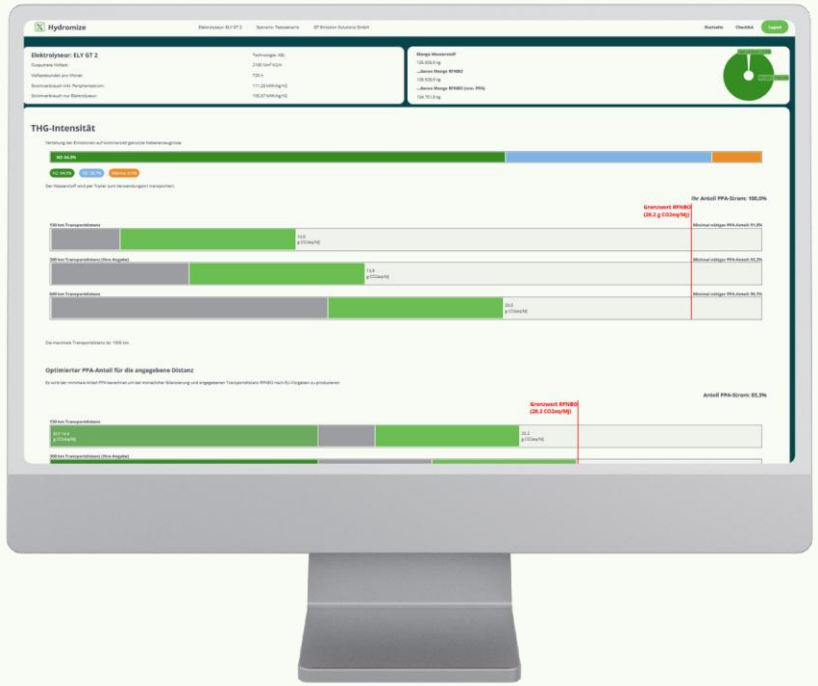
Certification: all processing units (plants that change the chemical/physical properties of inputs/RFNBO) and external transport traders must be certified. Renewable power plants do not need separate certification.

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Renewable Electricity Unit	Point of Origin: Energy Inputs Collecting Point Processing Unit: Hydrogen (RFNBOs)	Trader without Storage	Proof of Sustainability Self-declaration Sustainability declaration	Certificate

Our software **Hydromize** is the
all-in-one platform for the RFNBO market

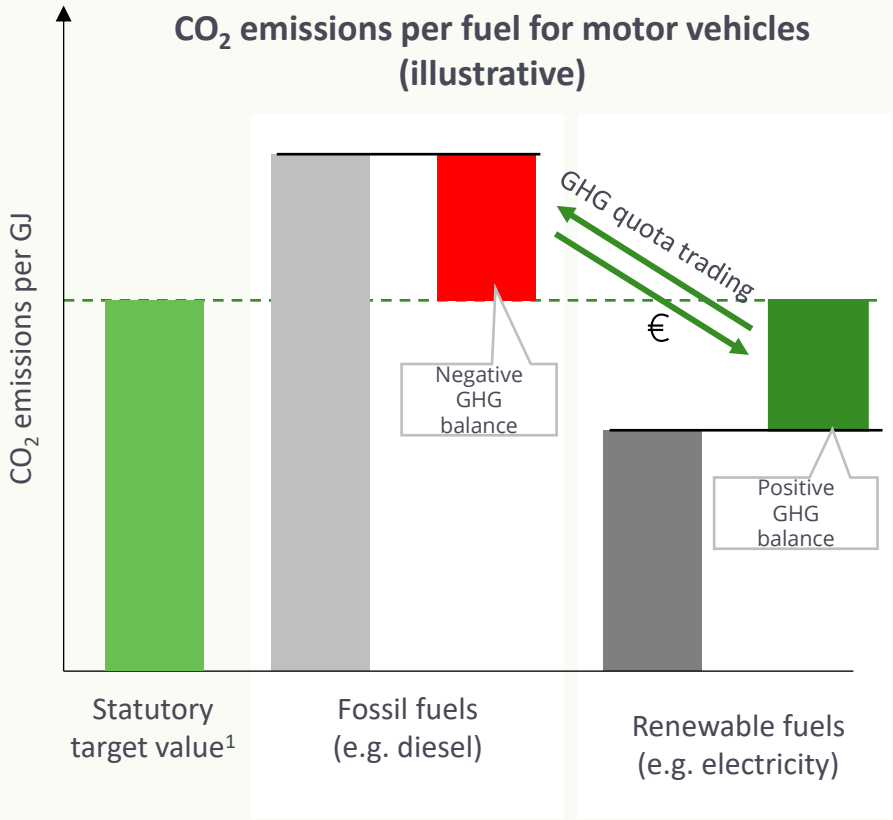




With a perfect combination of AI-powered software and years of expertise in advising on H2 projects, we support you throughout the entire certification process and beyond!

Greenhouse Gas (GHG) Reduction Quota: The German Interpretation [1]

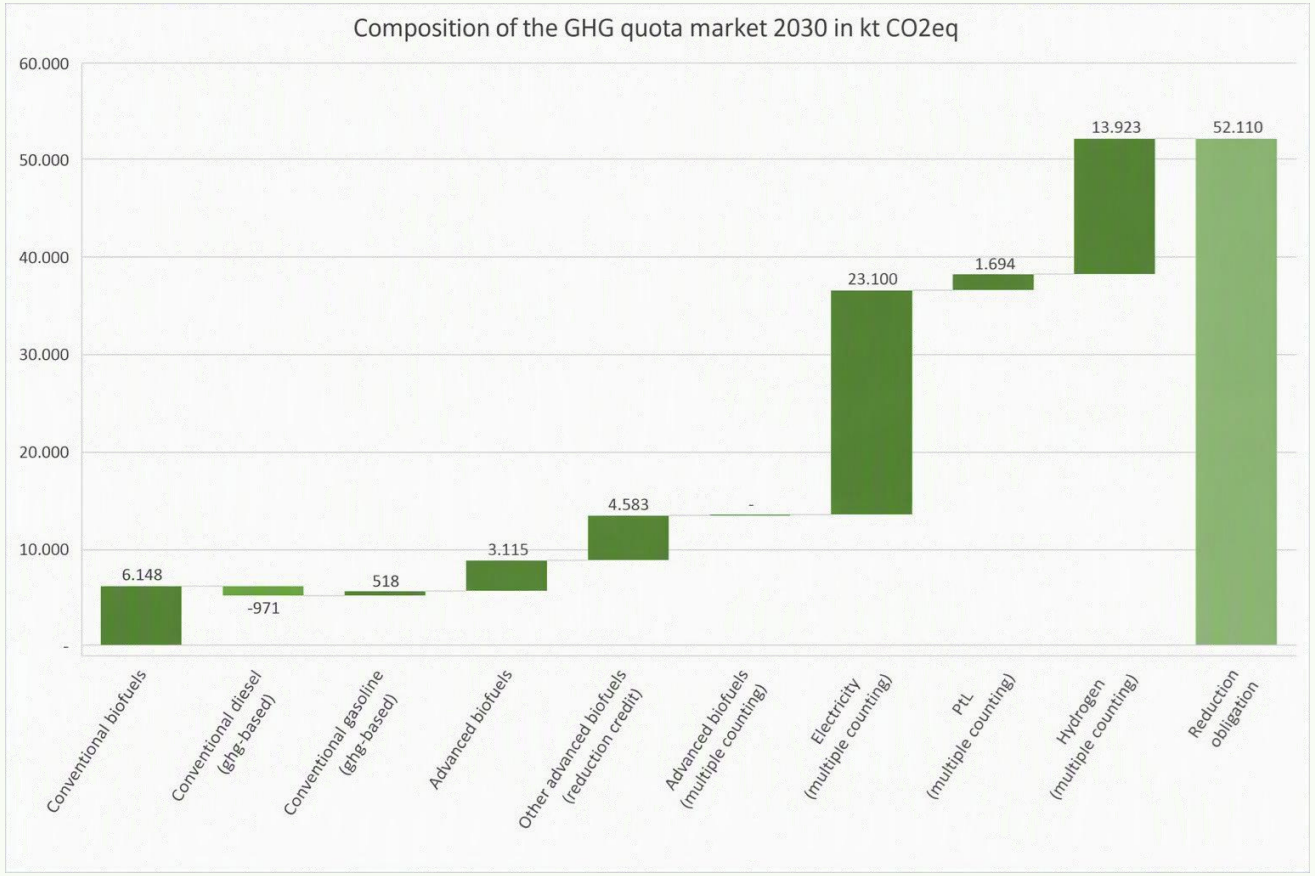
The GHG quota is a market-based climate protection instrument that promotes fuels with low CO2 emissions.



1) Anyone who places fossil fuels on the market is obliged to reduce their emissions by a certain percentage relative to a reference value.

Germany Created a Market for RFNBO

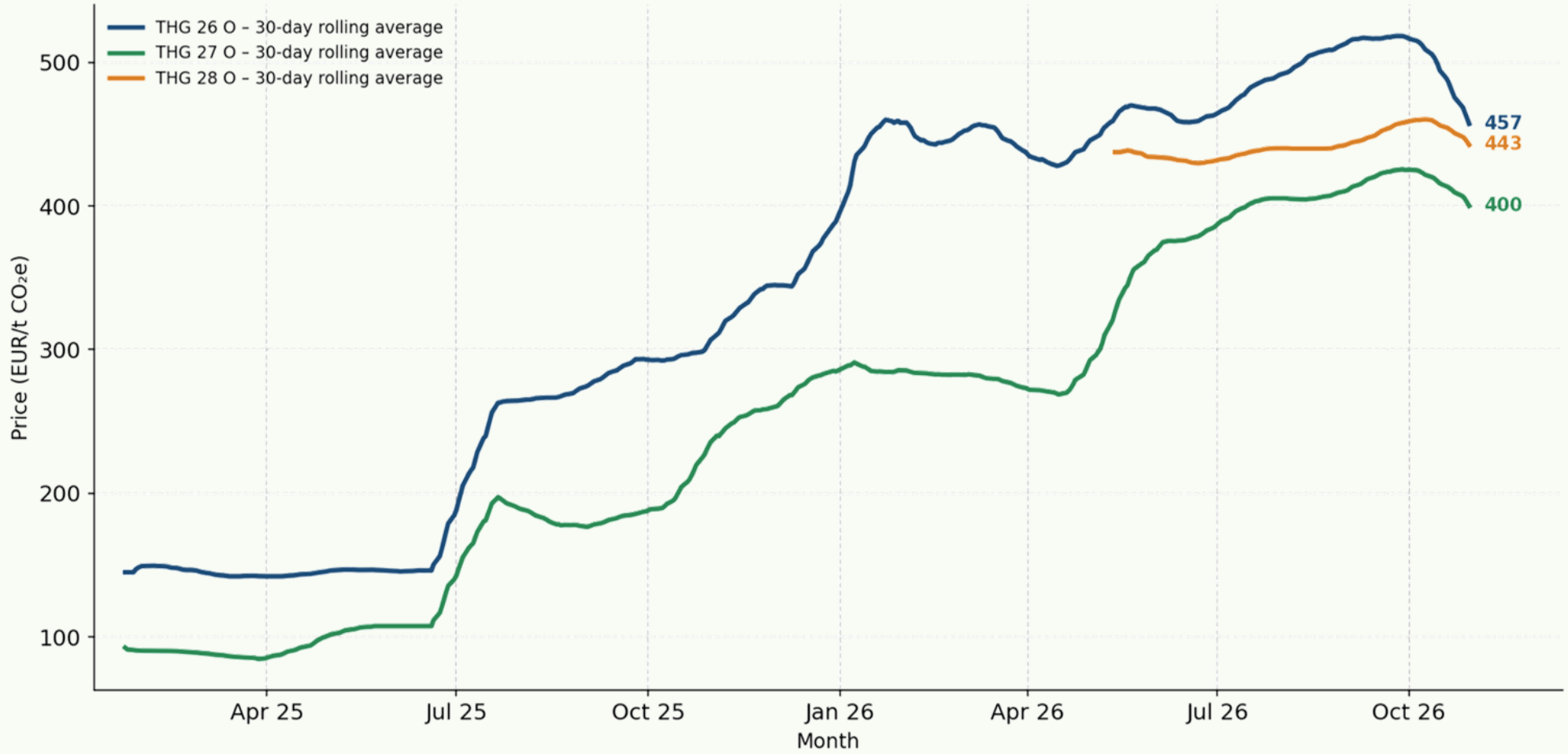
Other Member States have implemented similar regulation or are trying to achieve the mandatory RED III targets by other means. Some Member States have not yet implemented anything.



Source: German Bundestag/BMUV

Quota Prices in Development

THG 26 O peaked at about €517 in September 2026; THG 27 and THG 28 trade below it.



Business model on time? Leak of the RED IV Decision Paper

The European Commission is considering scrapping binding national targets for green hydrogen in the next Renewable Energy Directive (RED IV).

Instead: an indicative target

8 million tonnes

a year post-2030 – broader and indicative, supported by subsidies and a credits system

A more flexible policy

Move away from hydrogen-specific mandates to a more flexible renewable fuels policy

Obligated parties could meet targets with whichever qualifying low-carbon fuel clears at the lowest cost

Concern in the hydrogen sector

Germany has pushed for flexibility in hydrogen mandates, but the potential removal of binding quotas has sparked concern.

268

companies

A coalition of European energy sector companis urges the EU to keep the binding green hydrogen mandates: abandoning them would waste years of work and undermine confidence in EU climate and energy policies.



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Book a demo and try Hydromize now

More information on hydrogen certification