

CertaLink Certificates for Energy Markets

Marko Babić
5th of November, 2024



Climate action creates the urgent need for digital certification systems!



No standard, no transparency, no automated certification

High costs and high manual effort for electricity certification system



Missing cross sector certification

Current solutions cannot be combined and thus do not meet the future requirements of a holistic energy system



Tamper-proof sustainability as a new customer demand

Industries need a solutions to prove their sustainable actions in a notified way



Sustainability Certificates:

High and growing customer demand for automated and reliable energy certificates

- Prerequisite for **carbon-neutral energy marketplaces**
- Trust through a **more precise traceability**
- Full sector-integration through **end-to-end certification**

Partner Ecosystem

SIEMENS
energy

SIEMENS
energy

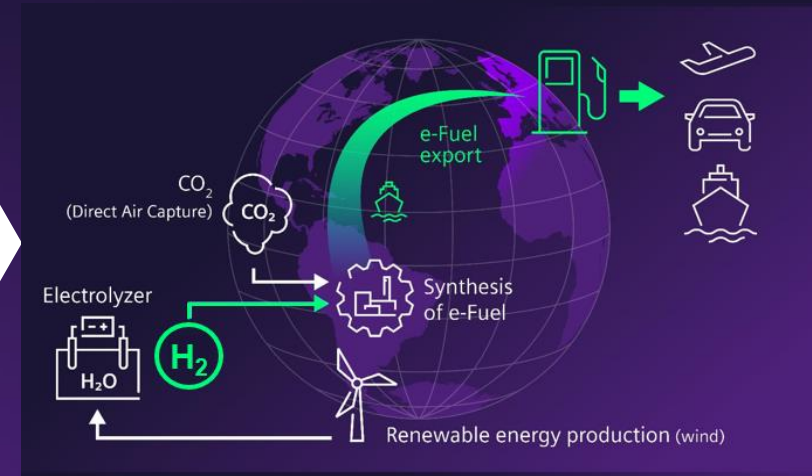
- ✓ Energy industry expertise
- ✓ Software development



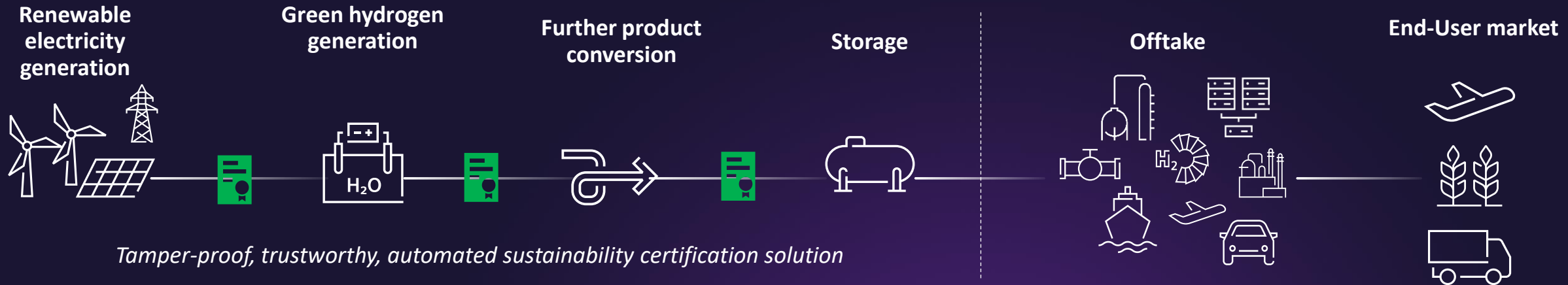
dena
German Energy Agency

- ✓ Regulatory know-how
- ✓ Consultation

- ✓ Certification know-how
- ✓ Single source auditing and certification



The strong partner ecosystem addresses our customer's needs on proving the sustainability of its products

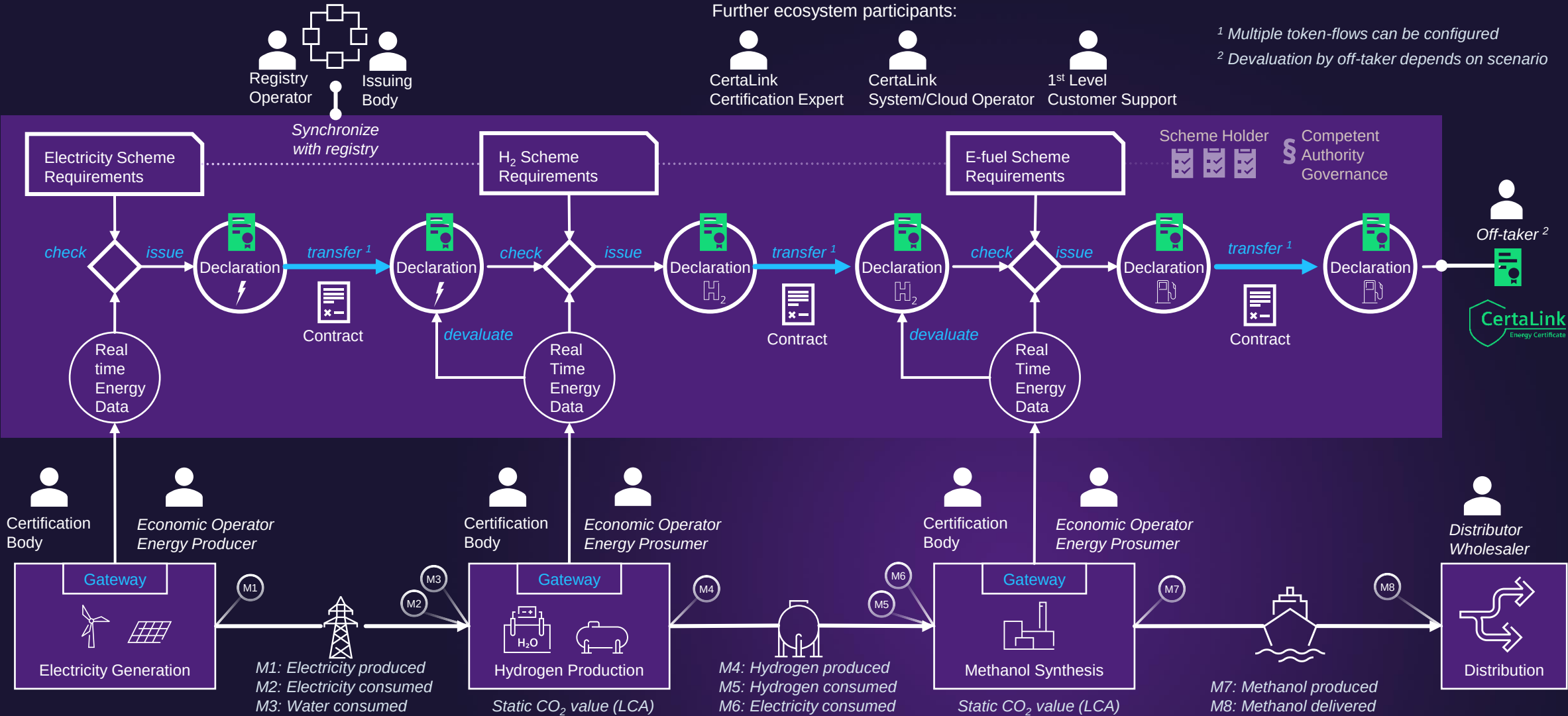


CertaLink Energy Certification Manager

In collaboration with trusted partners, we offer one-stop shop certification



CertaLink Certificates for Energy Markets Concept & ecosystem



¹ Multiple token-flows can be configured
² Devaluation by off-taker depends on scenario

Nobian | CertaLink Energy Certification for green chemical co-products

Siemens Energy deliverables for Pilot phase:

- **CertaLink Energy Certification**
to certify hydrogen production, bringing digitalization to a manual process
- Support administrative and assurance process of the certification of green products



→ [Learn more on CertaLink Energy Certification @ Nobian](#)

Contribution to the decarbonization and trust

Alongside Nobian, Siemens Energy unlocks new business potential within the cross-sector energy market. In 2023, CertaLink Energy Certification was implemented at the first certified chlor-alkali electrolysis plant in Germany, enhancing an automated, transparent, and fully traceable certification process along the whole value chain.

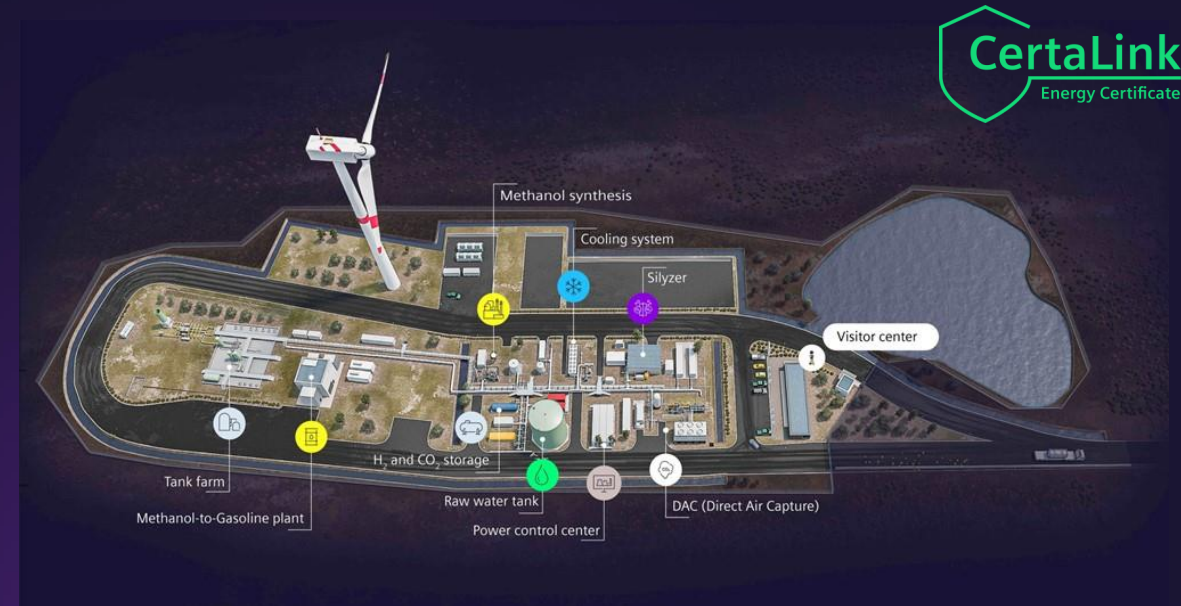
Haru Oni | Pioneering e-Fuels with tamper-proofed sustainable product certification

Siemens Energy deliverables for Pilot phase:

- Wind turbines, MV/LV distribution, transformer, electrolyzer as well as process automation
- **CertaLink Energy Certification**
to certify each batch of the hydrogen production used in the methanol reactor as green

Contribution to the decarbonization and trust

Together with our partners, we have tamper-proofed the world's first integrated and industrial-scale plant for synthetic climate-neutral fuels to produce each batch of fuel according the given regulation using mass-balancing concept.

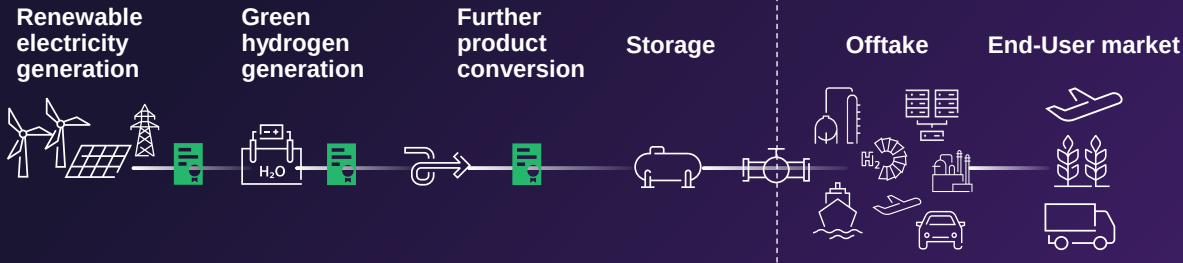


→ [Learn more on Haru Oni](#)

Our solution



SIEMENS
energy



Tamper-proofed, trustworthy, and automated sustainability declarations based on proven certification schemes:



End to end solution to automatically create and issue renewable product declaration based on approved certification schemes



Distributed Blockchain Ledger network with certification & regulatory expert partners guarantees consistency and trust

Your benefits

1

Gain customs and tax reduction for import and export

2

Leverage your product value produced by trustable sustainability declarations

3

Meet governmental requirements (e.g., EU RED II/III, US 45V or CBAM)

4

Save cumbersome effort in reporting to several registry databases

5

Be ready to participate in future energy trading marketplaces

Contact page



Published by Siemens Energy

Marko Babić

Business Development Manager

Siemens Energy

Hub Europe

Sub - Region SEE – South East Europe

Mobile: +38591 245 46 00

marko.babic@siemens-energy.com

siemens-energy.com/certalink-energy-certificates