Ministerie van Economische Zaken
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Introduction and update on Dutch RFNBO certification pilot

John Neeft, RVO

RFNBO = Renewable Fuel of Non-Biological Origin

Introduction (1)
Requirements from DA 27.3

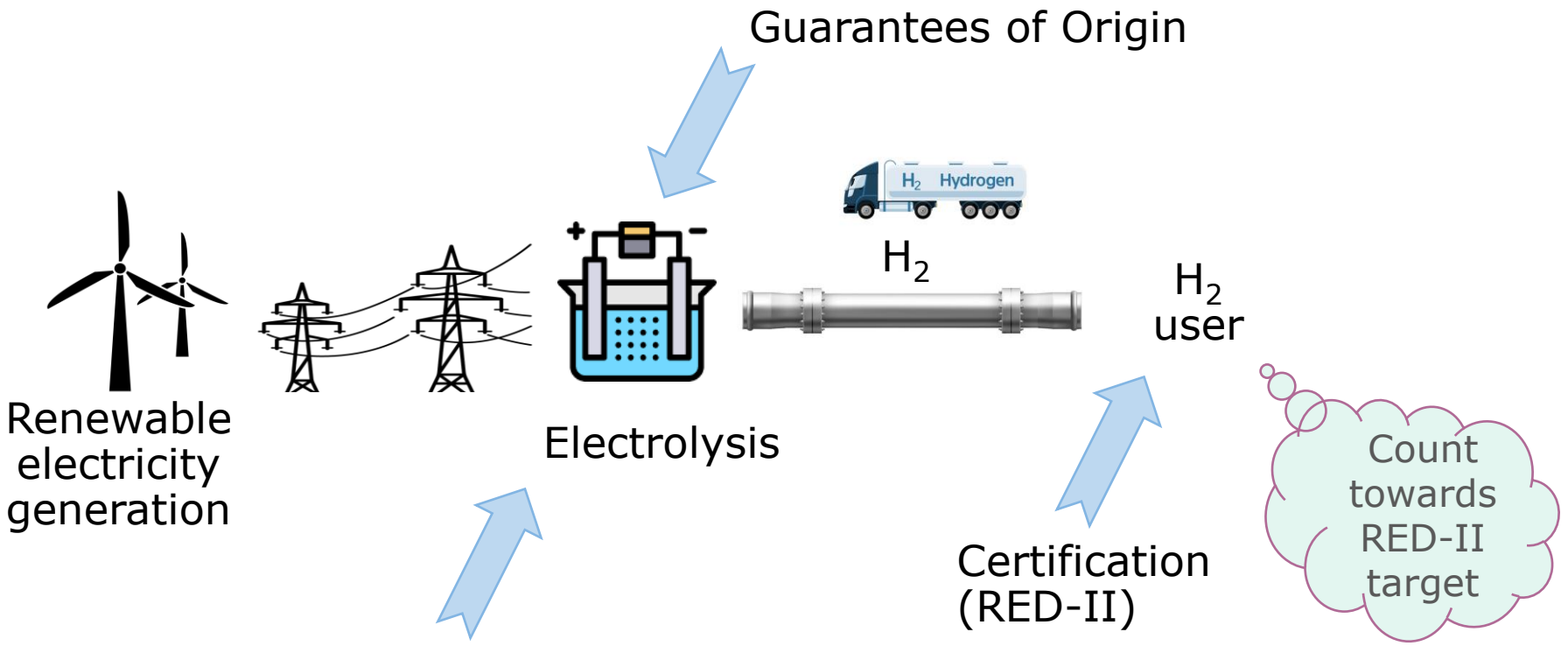
Delegated act 27.3 sets requirements on having a PPA and on:

a) Additionality:
   - The electrolyser must be **taken into operation within 3 years** after the installation generating renewable electricity has been taken into operation
   - The electricity has been produced **without subsidy**

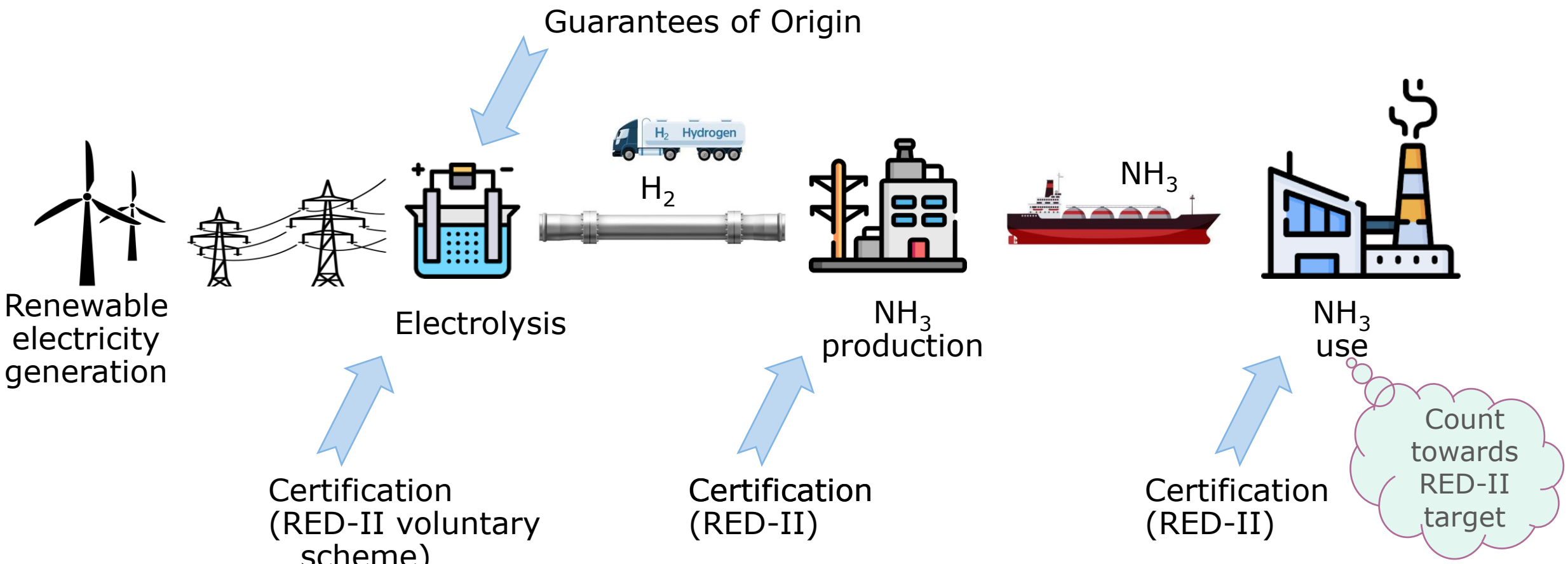
b) Temporal correlation: The electrolyser produces hydrogen **in the same hour** as the electricity required for this hydrogen was produced

c) Geographical correlation: The electrolyser and the installation generating renewable electricity are located in the **same bidding zone or in adjacent bidding zone** (with conditions)

Introduction (2)
GoOs and voluntary (certification) schemes



Introduction (3)
GoOs and voluntary (certification) schemes



Introduction (4)
What is a certification system?

a) Organisation:
scheme owner

b) Scheme document:
Requirements /
criteria / guidance

d) Certificates register

No.	Certificate holder	Type	Valid from	Valid until	Certification body	Audit report (summary)
XXXX1234	A	Producer	01/01/22	01/01/27	X	link
XXXX1235	B	Trader	18/10/22	18/10/27	Y	

c) Governance documents on:

- Scheme management
- Requirements for auditors
- Complaint procedure
- Certification fees

Introduction (5)
Progress in Dutch RFNBO certification pilot

EZK and RVO have started an RFNBO certification pilot:

- Quality Services B.V. will perform the certification audits
- Audits against certification schemes ISCC and REDcert (plus CertifHy)
- Audits are performed in October/early Nov. at the following companies:

Company	MW, Direct coupled or net coupled	Location	Scheme
Shell	0,05 MW, direct coupled and net coupled	Amsterdam (NL)	REDcert + ISCC
Air Liquide	200 MW, direct coupled and net coupled, simulation	Terneuzen (NL)	ISCC
Nobian	180 MW chlor-alkali electrolysis, net coupled	Rotterdam (NL)	ISCC + REDcert
Air Products	2000 MW, H_2 + NH_3 production, direct coupled, simulation	Neom, Saudi Arabia	REDcert + ISCC
GroenLeven	1,4 MW, direct coupled and net coupled	Oosterwolde (NL)	REDcert + ISCC
Gasunie	1 MW, direct coupled and net coupled	Zuidwending (NL)	ISCC + REDcert

- Final report to be finalised before end of 2022

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Questions?