



The Future of **Green** Energy

18 June 2026, 15:00 (CET)





Webinar flow

Speaker order & sections

- | | | |
|---|---------------------------|--------------------------------------|
| ● | Jonny Mulligan | Intro / moderator |
| ● | Frank Grischkat | Current energy market |
| ● | Grégoire Guirauden | Policy & market trends |
| ● | René Hartman | Low & negative carbon energy markets |
| ● | Ivan Derkink | BECCS / carbon capture |
| ● | Ludo van Hijfte | CO ₂ transport & storage |
| ● | Jan Demmer | Jalo operation |



Jonny Mulligan

MARTELLO

INDEPENDENT ♦ EXPERTS



● Intro

Welcome & opening

Jonny Mulligan



Jalo

MARTELLO

INDEPENDENT • EXPERTS

Jonny opens the webinar, sets the context for the session, and guides the conversation between the speakers.

- ✓ Welcome & framing
- ✓ Speaking flow
- ✓ Transition into Part 1





Frank Grischkat

BRÜNING
GROUP

A group of five people, three men and two women, are walking along a dirt path in a forest. To their left is a large, tall stack of cut logs. The people are dressed in casual outdoor attire, including jackets and t-shirts. The man in the center is wearing a bright yellow jacket with reflective stripes. The woman on the far right is wearing an orange and green jacket. The background is filled with tall, thin trees and lush green foliage, suggesting a healthy forest environment.

ENABLING A
GREENER FUTURE

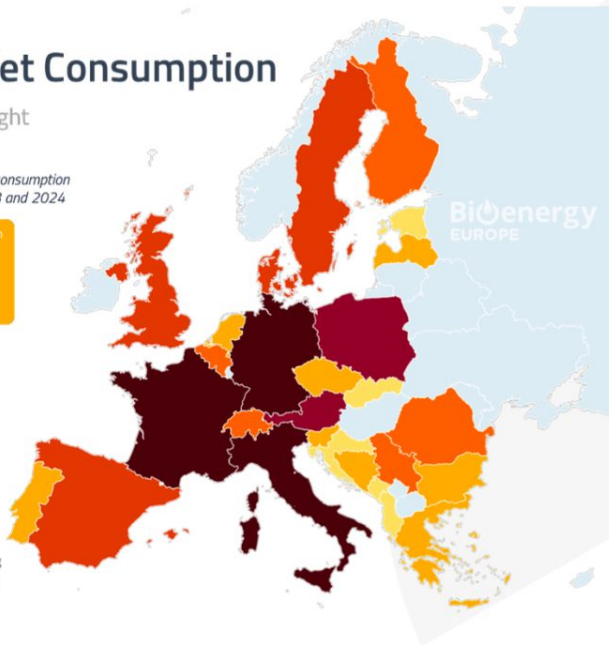
ENPlus A1 certified „Premium Pellets“ market

European Small Scale Wood Pellet Consumption

(in 2024, tonnes, %) Source: EPC Survey 2025, Hawkins Wright



Consumption in top 5 European countries in 2024



- Well established stable market
- Serving private households and small/micro industrial users e.g. hospitals, schools, swimming pools etc
- May see GHG and sustainability criteria becoming relevant in the future as well (?)

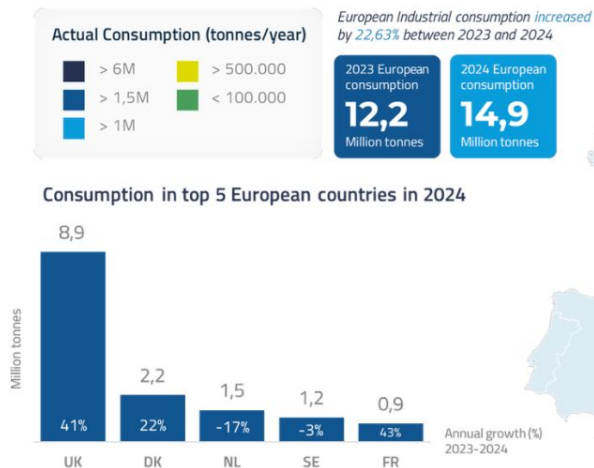
„New Kids on the Block“ changing the Biomass World

To meet EU targets/ policies the EU producing industries need to decarbonize => high new demand

In form of both conventional solid biomass as well as torrefaction, steam explosion, pyrolysis (biochar)

European Industrial Wood Pellet Consumption

(in 2024, tonnes, %) Source: EPC Survey 2025, Hawkins Wright



Source: Bioenergy Europe's Pellet Report 2025

- RED III: Binding target of 42.5pc primary energy use from renewables in 2030
- EU-ETS: increasing CO₂ cost pressure drives producing industries (e.g. asphalt, concrete, lime, steel currently) to switch fuels from fossil fuels to RED III-compliant solid biomass
- This will open up substantial potential for solid biomass fuels to replace fossil fuels
- GHG thresholds could favour EU-produced biomass over imports



Grégoire Guirauden



BioCCS



RainbowTM

Agenda

01 About Rainbow

02 About carbon markets

Overview

2021

Carbon credit standard and platform, founded in 2021.

18

In-house science, certification, and go-to-market experts

+400k

Credits issued under the Rainbow Standard

Recognized by international frameworks



4

Offices in Paris, Lyon, Berlin & London.

+80

Projects certified in 24 countries

>85%

CDR credits sales ratio

Backed by



Speedinvest

serena

bpi**france**



kfund



alven



Rainbow is recognized globally as a leading carbon crediting player to help scale the VCM market



ICROA

Full endorsement since April 2024 (first globally to be fully endorsed under ICROA's updated procedure)



ICVCM

Rainbow approved by ICVCM's board as CCP-eligible on April 2026



French airlines decree

Rainbow is the 1st (and only) private programme approved by the French government to supply its domestic airlines carbon markets.



Frontier

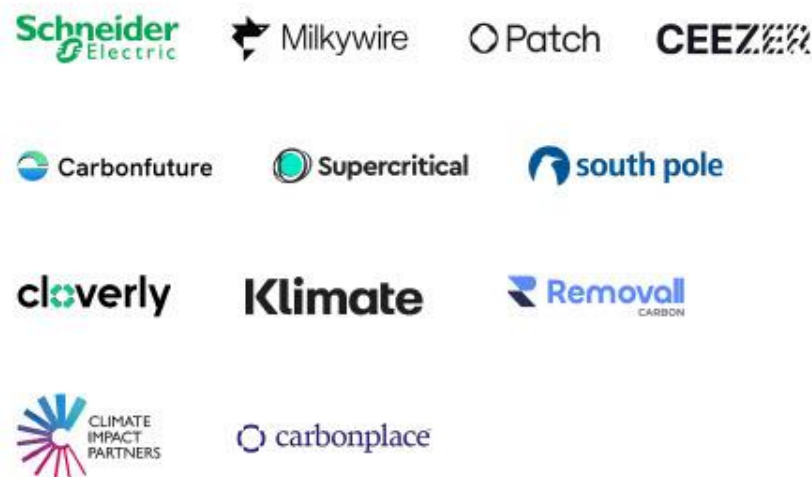
Endorsed as a registry supplier since April 2026, focus on BioCCS, BiCRS mineralization, ERW

Trusted by leading European buyers and partners

Publicly retired buyers



Top-Tier Sales Partners

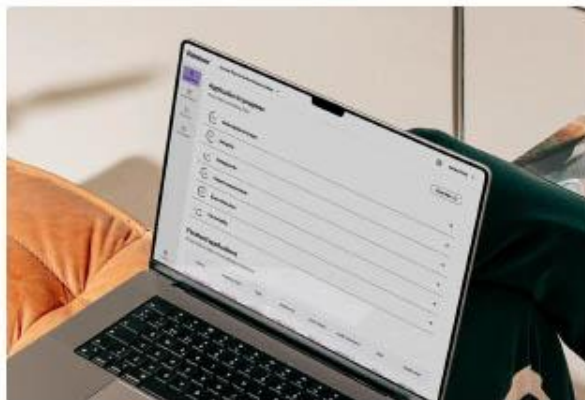


Integrity, confidence, relevancy.



The highest level of quality

Aligned with the best level of national and international accreditation.



Predictability and transparency

Full control over data flows to provide corporates with guarantees.



Credits that make sense

Relevant to corporates' geographies, activities, and reporting frameworks.

Agenda

01 About Rainbow

02 About carbon markets

30 years of carbon markets in 30 seconds



Kyoto Protocol

Clean Development Mechanism between Annex I and Annex II countries under the Protocol.

Mostly Forestry, Renewable, Waste Management.



Paris Agreement

Financing the large-scale transition to a net-zero society.

Removal and Article 6-compatible credits.

Two main types of carbon markets are getting structured, targeting different types of companies

High-integrity voluntary claims

Improvements of quality criteria: ICVCM CCP labels, EU CRCF

Reporting framework implementation: EU CSRD, SBTi Revision, GHG Protocol + ISO

Anti-greenwashing laws: Carbon-neutrality claims ban under the EU Green Claims

Companies concerned: companies with limited in-house emissions - services, tech, insurance, banks, funds

Type of credits: Removal, local credits

Various compliance markets driven by regulations

Improvements of quality criteria: ICVCM CCP labels, EU CRCF

Reporting framework implementation: Airlines Decree (FR), CORSIA, Japan ETS, UK ETS, EU ETS

Uniformization: Article 6.2 and 6.4 implementation, linked with NDC

Companies concerned: hard-to-abate sectors to accelerate their decarbonization - aviation, energy, cement, transport...

Type of credits: Removal, or article 6 + CORSIA compliant avoidance credits

Compliance markets are shaping up step by step, and should be the main drivers of demand increases in the coming years



French airlines decree

French domestic airlines have to offset 100% their flight with 50% EU credits and 50% ITL credits.

26 operators under the schema, 1.5M tCO₂ per year.

Already implemented.



CORSIA

Offset of all the emissions increased worldwide compare to 2019 baseline.

Pilot phase 2021-2023, first phase 2024-2026, global roll out with the second phase starting in 2027.

60M - 250M tCO₂ per year.



CRCF units into EU ETS

EU ETS since 2003
CBAM in 2026-2028
CRCF in 2027
Targets to make CRCF units fungible into EU ETS around 2030.

Before that, CRCF Buyers club from 2027 and national incentives to drive demand.



Various ETS

Japan ETS since 2026
UK ETS in 2028

Several initiatives already implemented in South Africa, Singapore...



Article 6

Article 6.2 already implemented with some pilot trades from Switzerland, Norway...

Article 6.4 already voted, first traded under discussions.

Lack of visibility on adoption, but huge demand potential.

BioCCS is by far the most promising pathways in terms of volume for both Voluntary and Compliance CDR markets

Suppliers

Purchasers

Services

Search

⊕

Method

Bioenergy with Carbon Capture and Sequestration (BECCS)

Name	Tonnes Delivered	Tonnes Sold	Method	
Fidelis	0	6 787 500	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
Stockholm Exergi	0	6 009 998	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
CO280	0	4 359 446	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
Ørsted	0	4 001 500	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
C2X	0	3 600 000	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
Gaia ProjectCo	0	2 950 000	Bioenergy with Carbon Capture and Sequestration (BECCS)	View
Hafslund Celsio	0	1 223 662		
BioCirc	9	657 374		
North Star Carbon Solutions	0	626 000		
Öresundskraft AB	0	210 000	Bioenergy with Carbon Capture and Sequestration (BECCS)	View

Supplier	Status	Tonnes Purchased	Order Date	Method
Uthmaniyah	Contracted	1 000 000	Mar 28, 2026	Becker Carbon Removal (BCR)
BioCirc	Contracted	850 000	May 19, 2026	Bioenergy with Carbon Capture and Sequestration (BECCS)
North Star Carbon Solutions	Contracted	626 000	Apr 06, 2026	Bioenergy with Carbon Capture and Sequestration (BECCS)

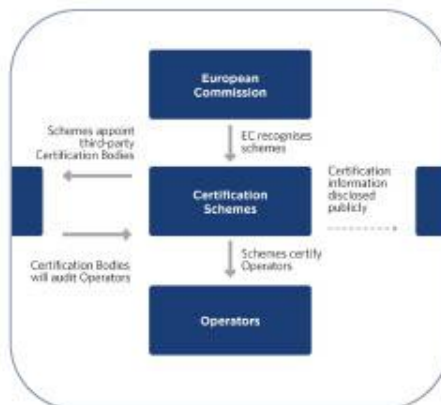
Process and timeline before issuance of the first EU CRCF credits with Rainbow



Feb 2026

CRCF Delegated Act

EU makes CRCF officially launched on Biochar, DACCS, BioCCS.



June 2026

Registry submission

Rainbow registry applies as a "certification scheme".

Unit	Buffer	Available	Pending Transaction	Sold	Directly Issued
1064	107	11	48	605	933
546	55	53	0	498	35
909	26	0	0	681	0
540	56	0	0	653	0
458	46	0	0	405	0
4130	0	105	0	4025	0
8149	342	999	46	3462	130

Invoice 3220 €

Nov 2026

Registry endorsement

Expected timeline for the EU to approve certification schemes.



2027 & onwards

Deployment of CRCF on all scopes

Extension of CRCF on more Removal pathways and first units to be issued and retired.

Contact

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Thank you!



René Hartman



GETEC

The future of Green Energy

GETEC Benelux

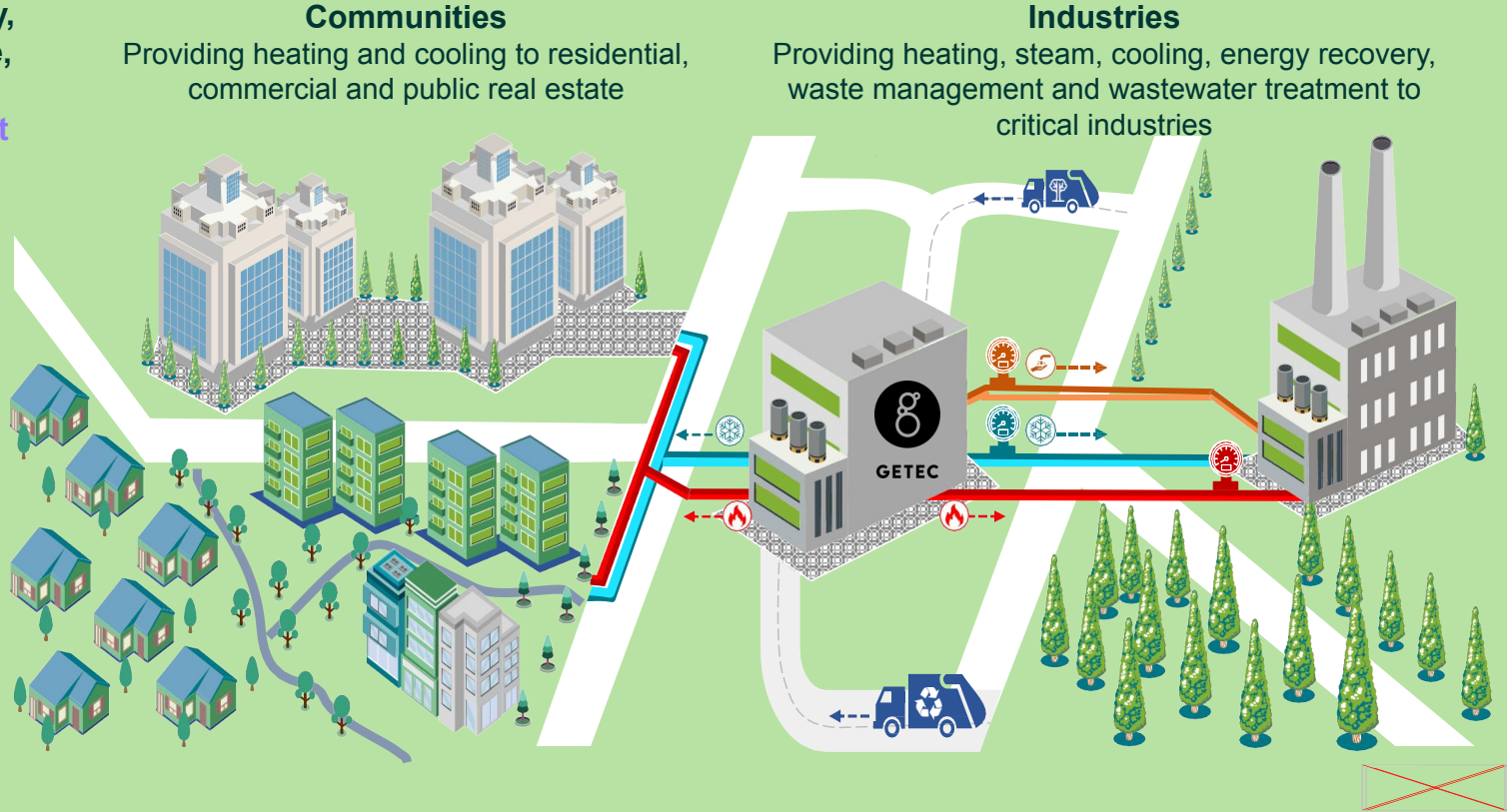
René Hartman
May 18, 2026



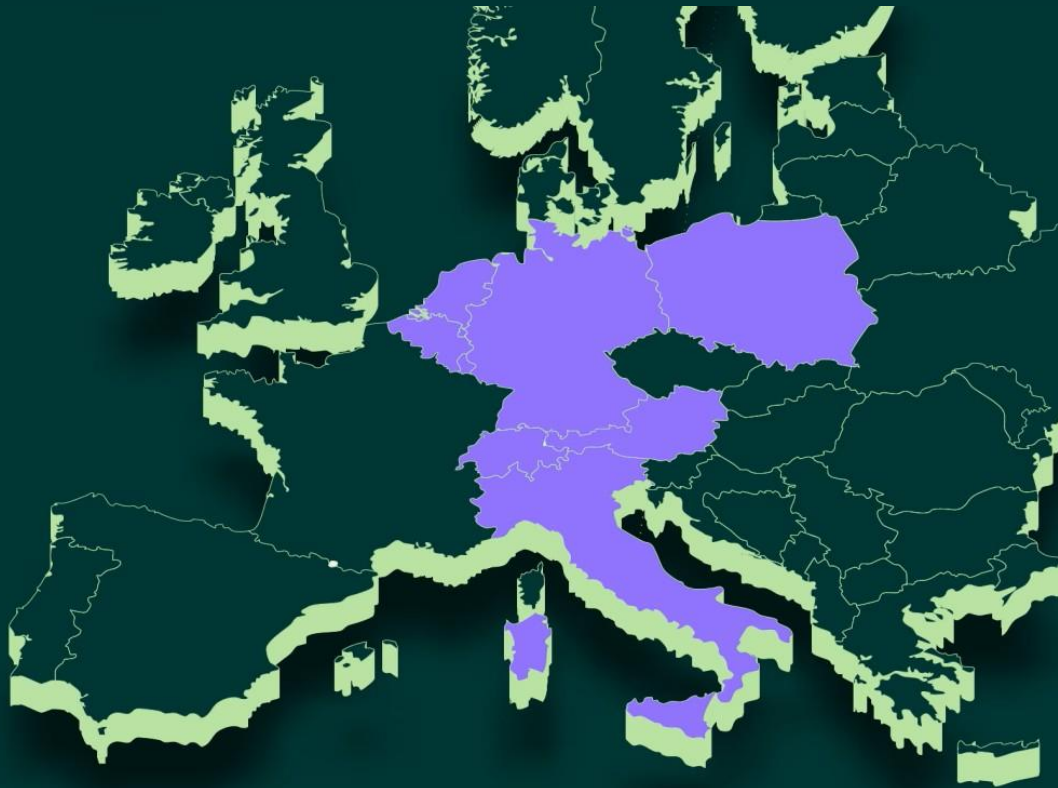
Our solutions are essential to over 1.5 million end users

We provide reliable, decarbonised energy, and develop, finance, and run critical infrastructure so that our customers can focus on their core business

-  Energy reliability and cost savings
-  CO₂ reduction
-  No customer CAPEX required
-  Everything from one supplier



GETEC is Europe's leading specialist for reliable, decarbonised energy and infrastructure solutions



~€1.5bn

Revenue

3

Industrial Parks across
Europe

15 yrs

Weighted Average
Contract Life

>11.000

Energy installations
across Europe

7

Countries

~3,100

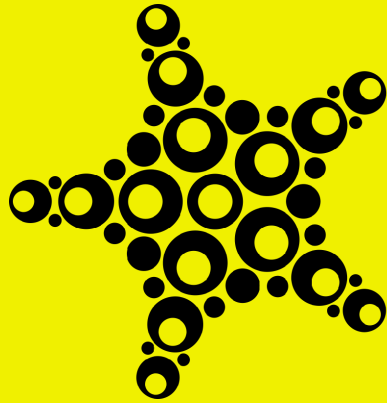
Employees





Ludo van Hijfte





CARBON COLLECTORS

your CO2 is our business

CO₂ stores are being developed throughout Europe



Carbon Collectors Service

Available to customers across N-W Europe



Stepping stone strategy

Initial stores:

Southern North Sea depleted gas fields

Alternative storage areas:

Denmark, Norway, Adriatic, Aegean, Irish Sea

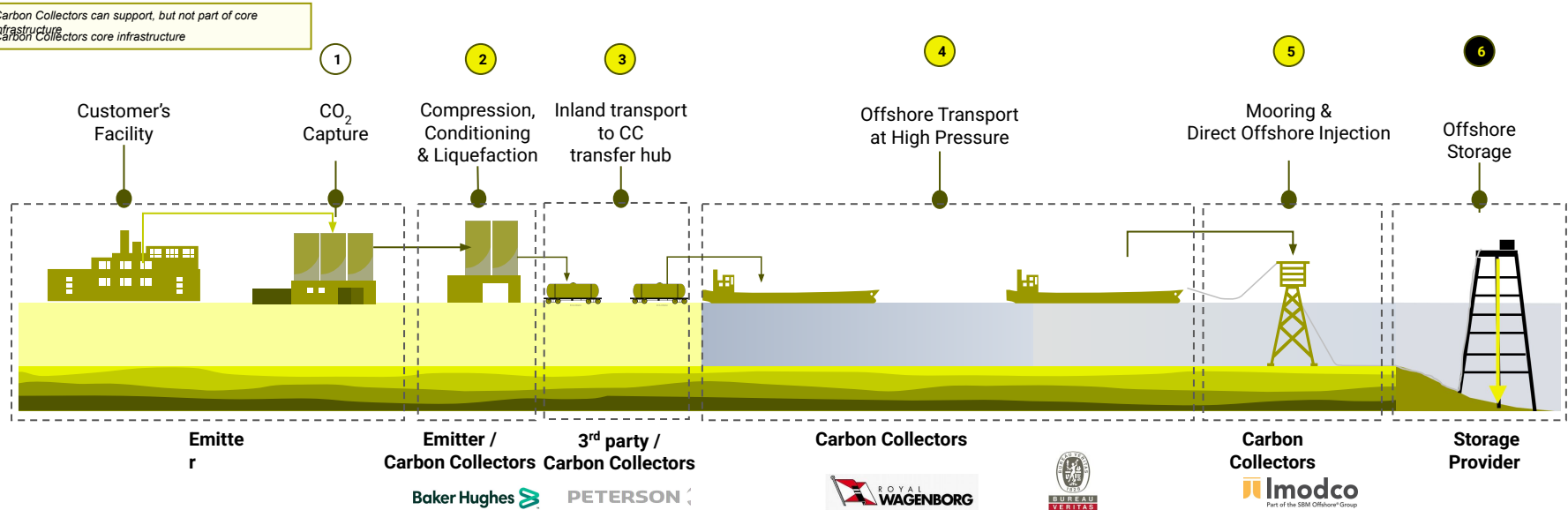
● Port with opportunity to aggregate 3rd party CO₂

○ Suitable storage areas

---- Transportation route to storage

CO₂ collection, transportation and storage service

A flexible and scalable solution



● Condition & liquefy

CO₂ is **conditioned and liquefied on site** at high pressure and ambient temperature to reduce energy use and ease specifications.

● Transport multimodally

Liquid CO₂ moves inland by truck, rail or river/canal, then offshore by ship **directly to storage or users**.

● Store or deliver

CO₂ is sent to third-party geological storage for **direct injection**, or delivered to a port-based user.

HP LCO₂ transport system: more efficient end-to-end

Simple where possible, flexible where required



Carbon Collectors transports CO₂ at 40 bar and +5°C – optimised from the storage end-goal back through the logistics chain.

Transport window

40 bar +5°C

Why it matters

Aligns with storage injection requirements, reducing re-heating and pressure lift.

Can simplify terminals and lower total power demand in selected cases.

Rail • river • truck • ship

1 Efficient Direct Offshore Injection
Less re-heating and smaller pressure increase.

2 Smaller asset base in selected cases
Onshore terminals, intermediate storage and liquefaction plant footprint can be reduced or avoided.

3 More tolerant CO₂ stream specification
Warmer high-pressure LCO₂ is more tolerant to non-condensables and acid-forming components.

4 No external refrigeration system required
Avoids refrigerant onsite and supports a smaller conditioning and liquefaction footprint.

Lowest power consumption comes from balancing compression and refrigeration across the chain.

Source: Seo et al., International Journal of Greenhouse Gas Control.

From CO₂ source to storage

Designed with the end-goal in mind



Offshore injection interface



**CARBON
COLLECTORS**



Ivan Derkink



Bright Renewables – Carbon capture



Containerized
Easy shipment



Low temperature
<95°C



Food-grade quality
Certified



CASE STUDY – Dornbirn, Austria

Captured CO₂, certified for food production

CO₂ SOURCE	Woodchip fired CHP
FLOWRATE CO₂	600 Kg/h CO ₂
DESTINATION	Used and certified as food grade CO ₂





Jan Demmer





Part 6

What Jalo actually does

From unwanted wood residues to certified energy pellets

1

Low-grade
wood residues

2

Clean, certified
energy pellets

3

CO₂ captured
from flue gas

4

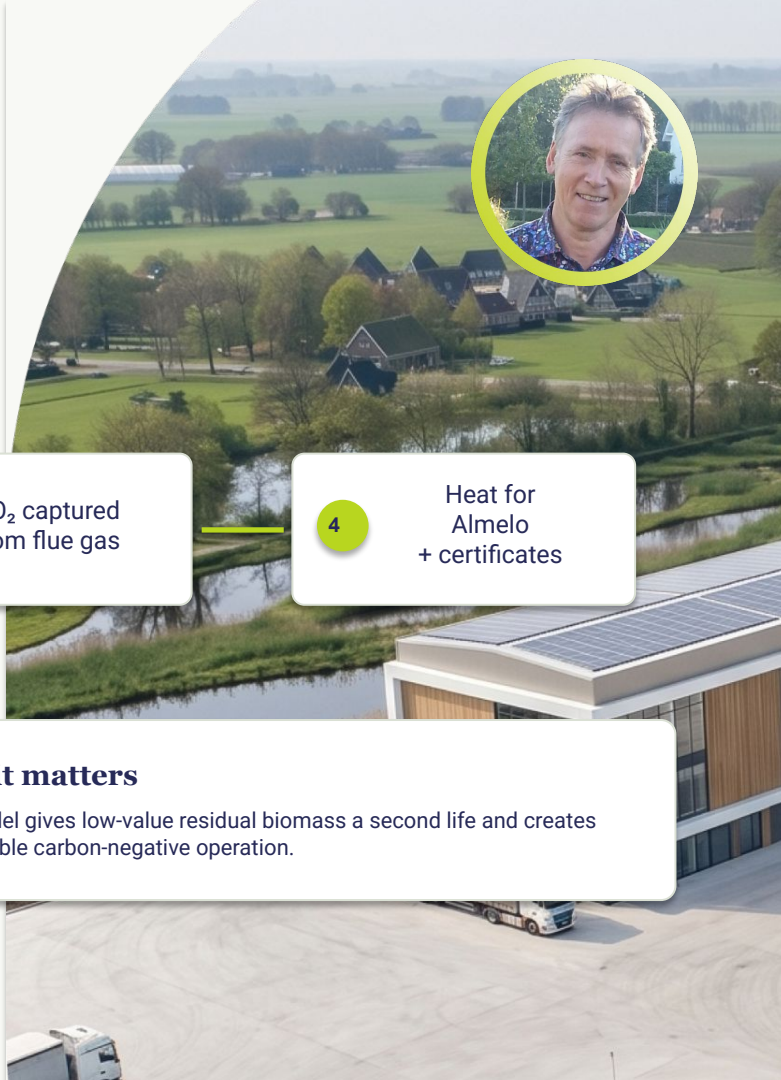
Heat for
Almelo
+ certificates

Core message

Jalo turns contaminated, irregular and low-grade wood into useful energy, while designing the process around carbon removal from the start.

Why it matters

The model gives low-value residual biomass a second life and creates a replicable carbon-negative operation.





Part 6



Impact at scale

Real climate impact, local heat and a stronger business case

60,000 t

biogenic CO₂
removed / year

40,000

cars off the road
equivalent

200,000 t

fossil CO₂
saved / year

18 years

process development

Energy and heat

All site energy is supplied by a biomass boiler. Surplus heat from drying is fed into Almelo's district heating network, replacing fossil heat.

Carbon removal

CO₂ released from the flue gas is captured, liquefied and permanently stored, creating a route to carbon-negative pellets.



● Part 6

Commercial fundamentals

Designed for resilience, verification and replication



Business model

- ✓ ● All-in, all-out arrangement with a major biomass trader
- ✓ ● Revenue from pellets, on-site energy, heat and CO₂ certificates
- ✓ ● Less exposure to one single market or one single price

Why investors should care

- ✓ ● Independent certification and KIWA certification
- ✓ ● Dedicated carbon specialist managing CO₂ certificates
- ✓ ● Replicable setup for new locations across Europe

“A project that combines strong commercial fundamentals with measurable climate impact.”



● Part 7

Q&A

Questions, discussion and closing remarks

- ✓ Ask your questions
- ✓ Share your perspective
- ✓ Continue the conversation



Future of Green Energy

Thank you for joining



The Future of **Green** Energy

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