

**Platform
Hernieuwbare
Brandstoffen.**

Lunch seminar: Rethink strategic autonomy

Monday 15 December 2025

Pakhuis de Zwijger, Amsterdam



Programme for the day

12:00 **Start of Seminar, moderated by *Barry Fitzgerald***

Setting the scene - *Loes Knotter*, Platform Hernieuwbare Brandstoffen

Four bold ideas for an integrated transition strategy of the Dutch basic industry -
Prof. Gert Jan Kramer, Sustainable Industry Lab

The demand for energy hubs for renewable fuels and electricity - *Theo Heinink*, Clean Energy Hubs programme

Decentralised systems to address grid congestion issues - *Jan Pereboom*, JP Energy Systems

Proposition from Ineratec and Rheinmetall for decentralised renewable fuel production for defense operations - *Arthur Hustad*, Ineratec

Discussion on decentral vs central energy production with *Arthur Hustad*, Ineratec and *Ayla Uslu*, TNO

Discussion and conclusion with *John Grin*, Chairman of Platform Hernieuwbare Brandstoffen

14:00
15:00 **Coffee and Networking**

Setting the scene

Loes Knotter - Platform Hernieuwbare Brandstoffen

Website



Over onsNetwerkAgendaInfotheekDossiersDe opgaveDriven by Nature

Versnellen en opschalen van het gebruik van hernieuwbare brandstoffen.

2050 net zero. Dat betekent dat de Europese economie in 2050 geen netto klimaatemissies meer heeft. Dat vraagt voor wegverkeer, scheep- en luchtvaart om het gebruik van fossiele brandstoffen zo snel mogelijk af te bouwen. Platform Hernieuwbare Brandstoffen werkt aan deze missie als onafhankelijk kennis- en innovatieplatform, om samen met zijn leden de vervoerssector versneld te verduurzamen.

De opgaveOver het platform



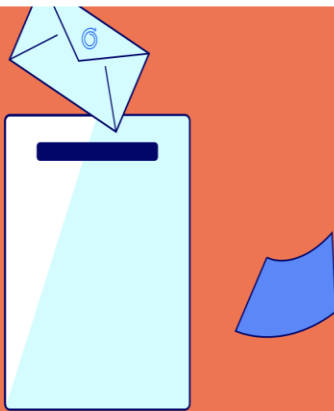
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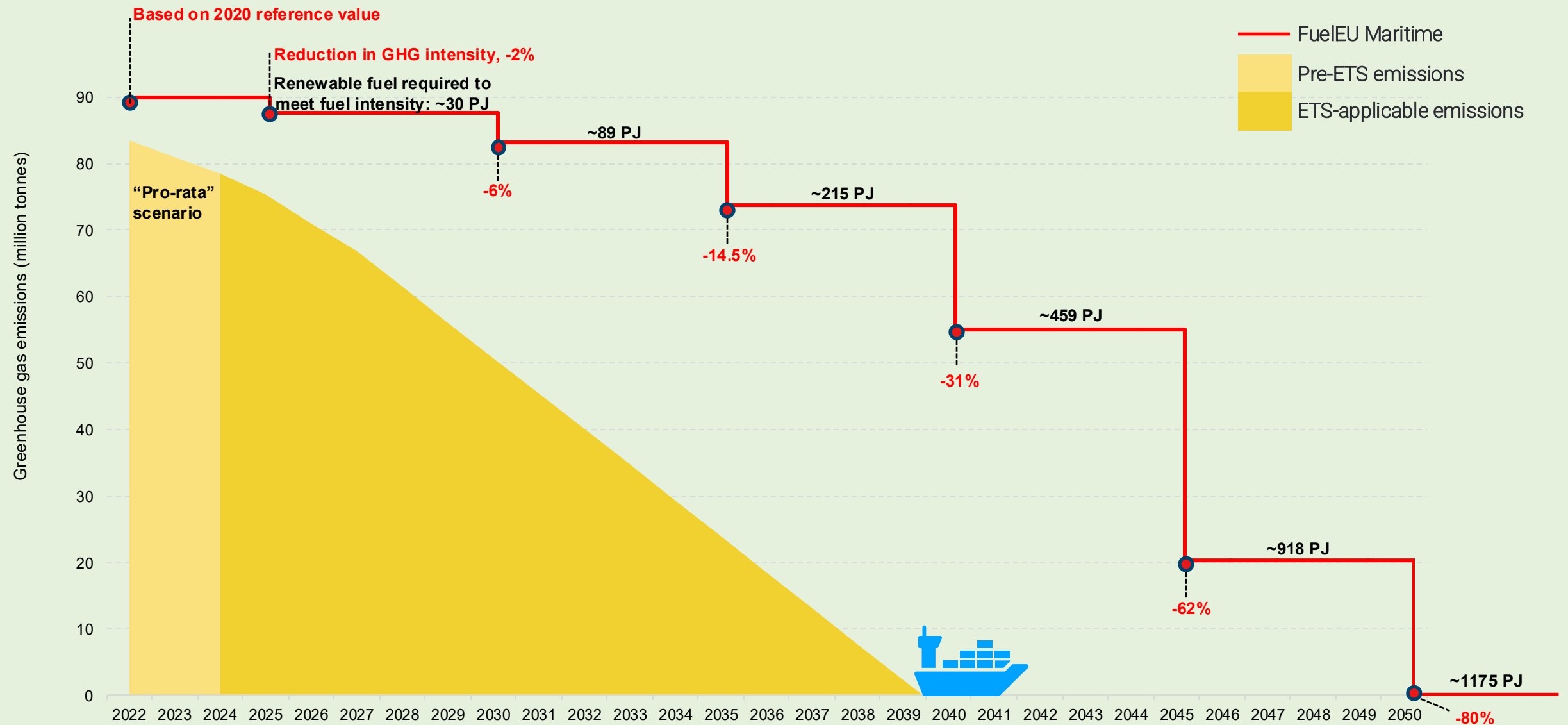
Wil je op de hoogte blijven van wat we doen?

Schrijf je dan in voor onze nieuwsbrief

Meld mij aan

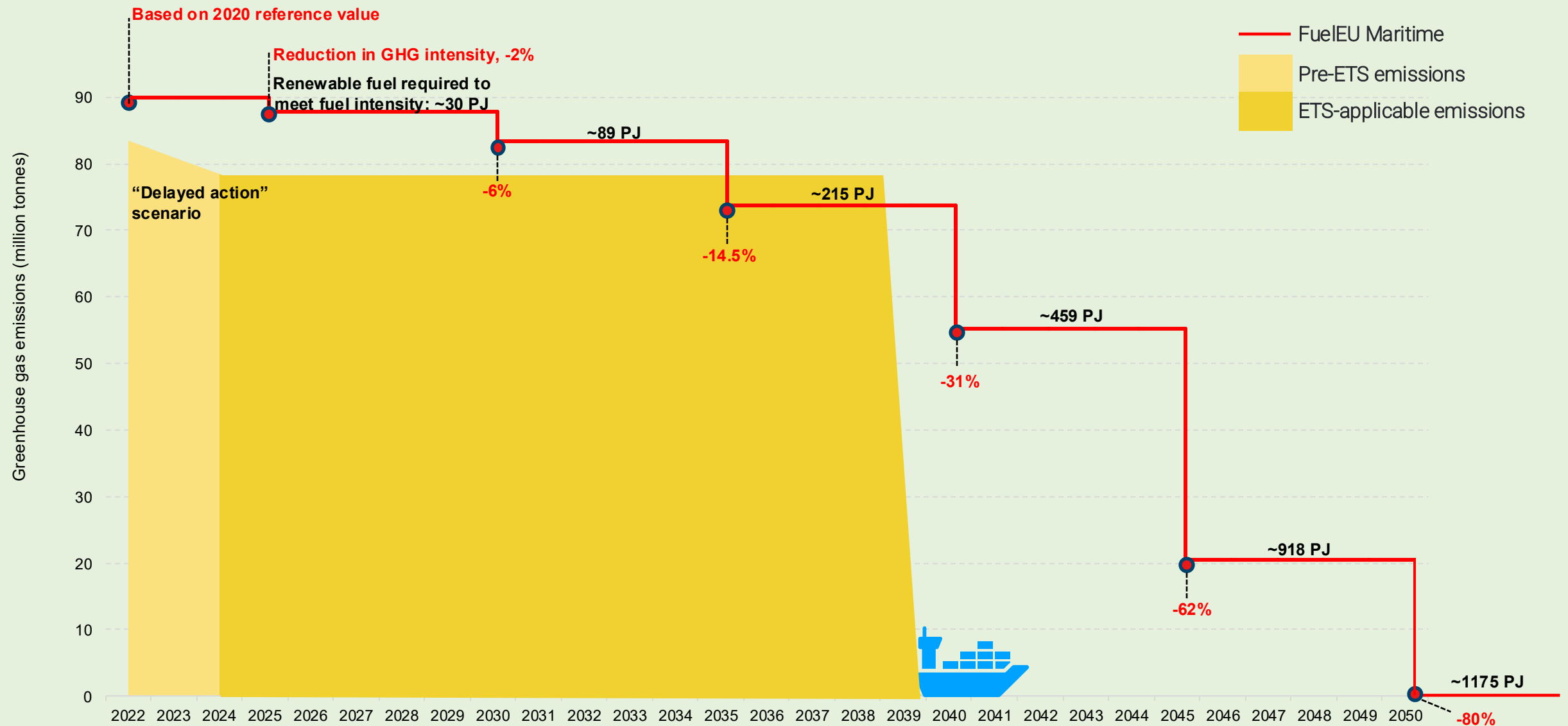


Comparison EU ETS vs. FuelEU Maritime (on basis of TtW-emissions)



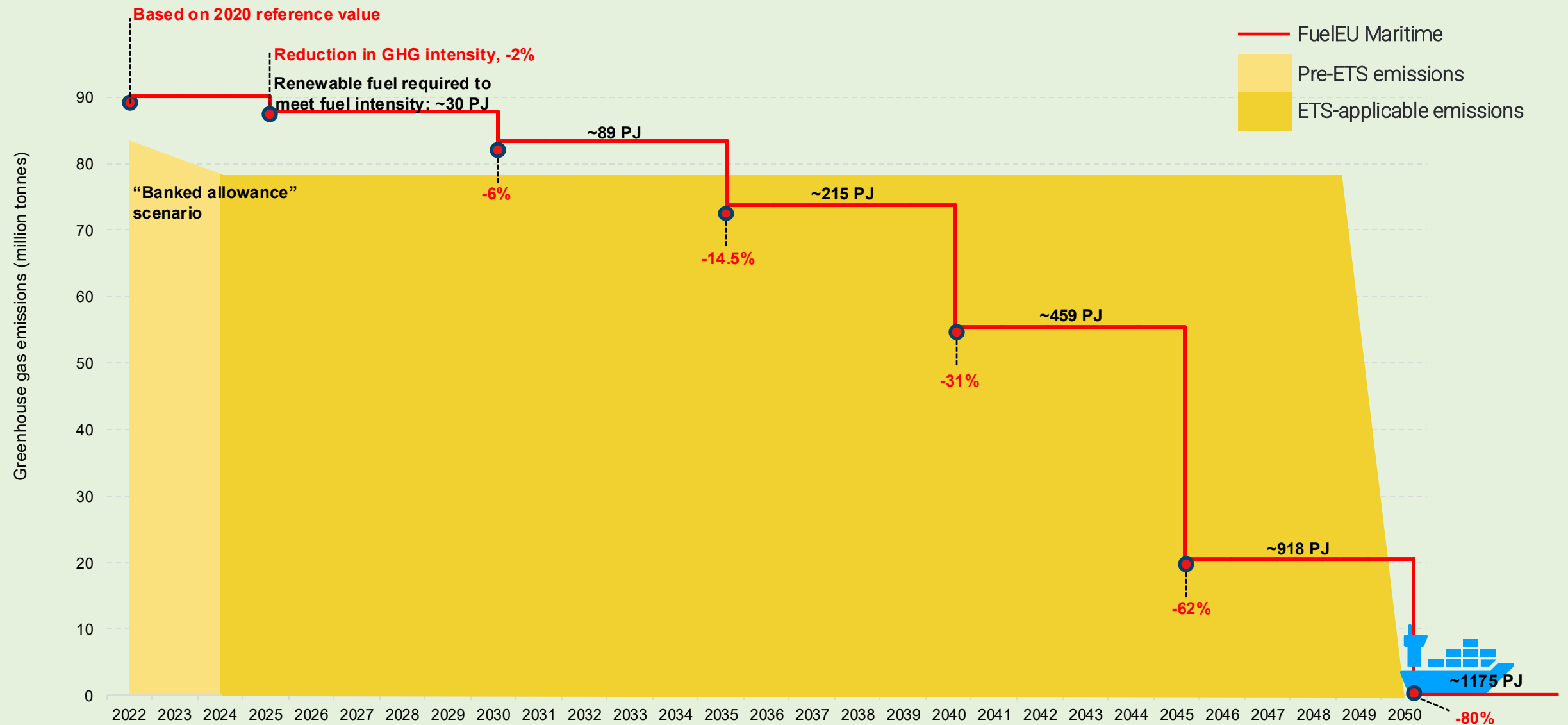
Based on analysis of studio Gear Up | Calculations for TTW greenhouse gas emissions under FuelEU Maritime have been based on the minimum volume of renewable fuels required to meet the intensity limits according to FuelEU Maritime targets. Fuel volumes based on bunkered fuel volumes provided by Eurostat data. TTW emissions for fossil has been calculated with an GHG intensity 76 gCO₂/MJ and renewable fuels 0 gCO₂/MJ.

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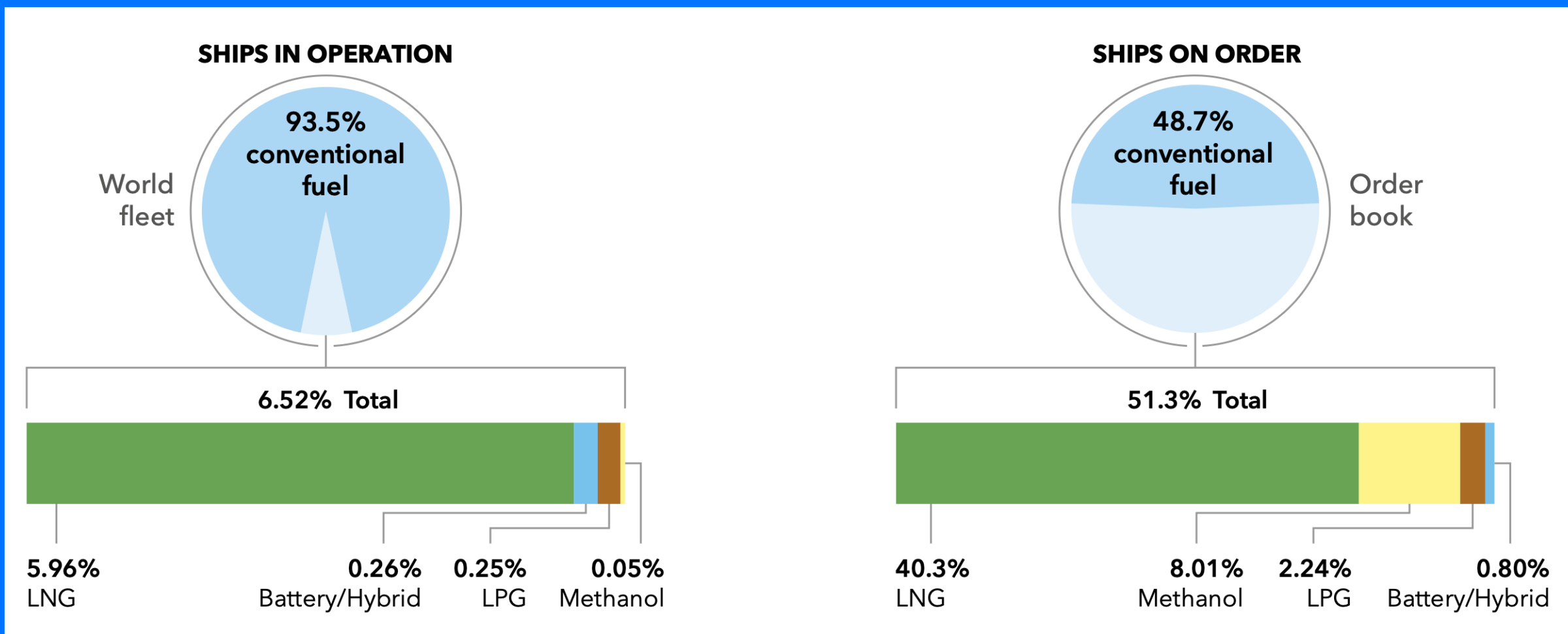
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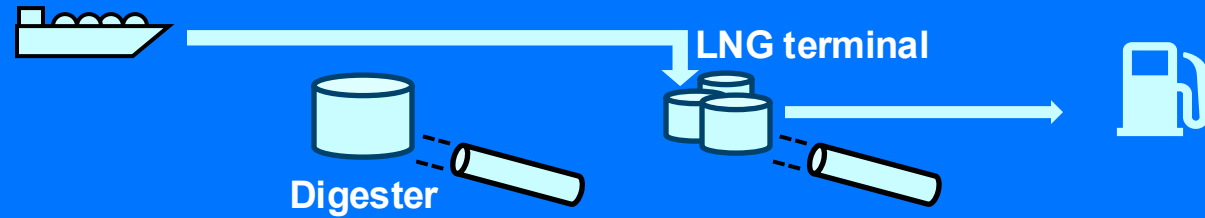
Ships in operation and on order



Figuur 10 Schepen in de vaart en schepen in het orderboek, gecategoriseerd op basis van de energiedrager waar ze op kunnen varen.

Source: DNV, Maritime Forecast 2050, opgenomen in: RVO, 2024, **Roadmap Brandstoftransitie in de Zeevaart**

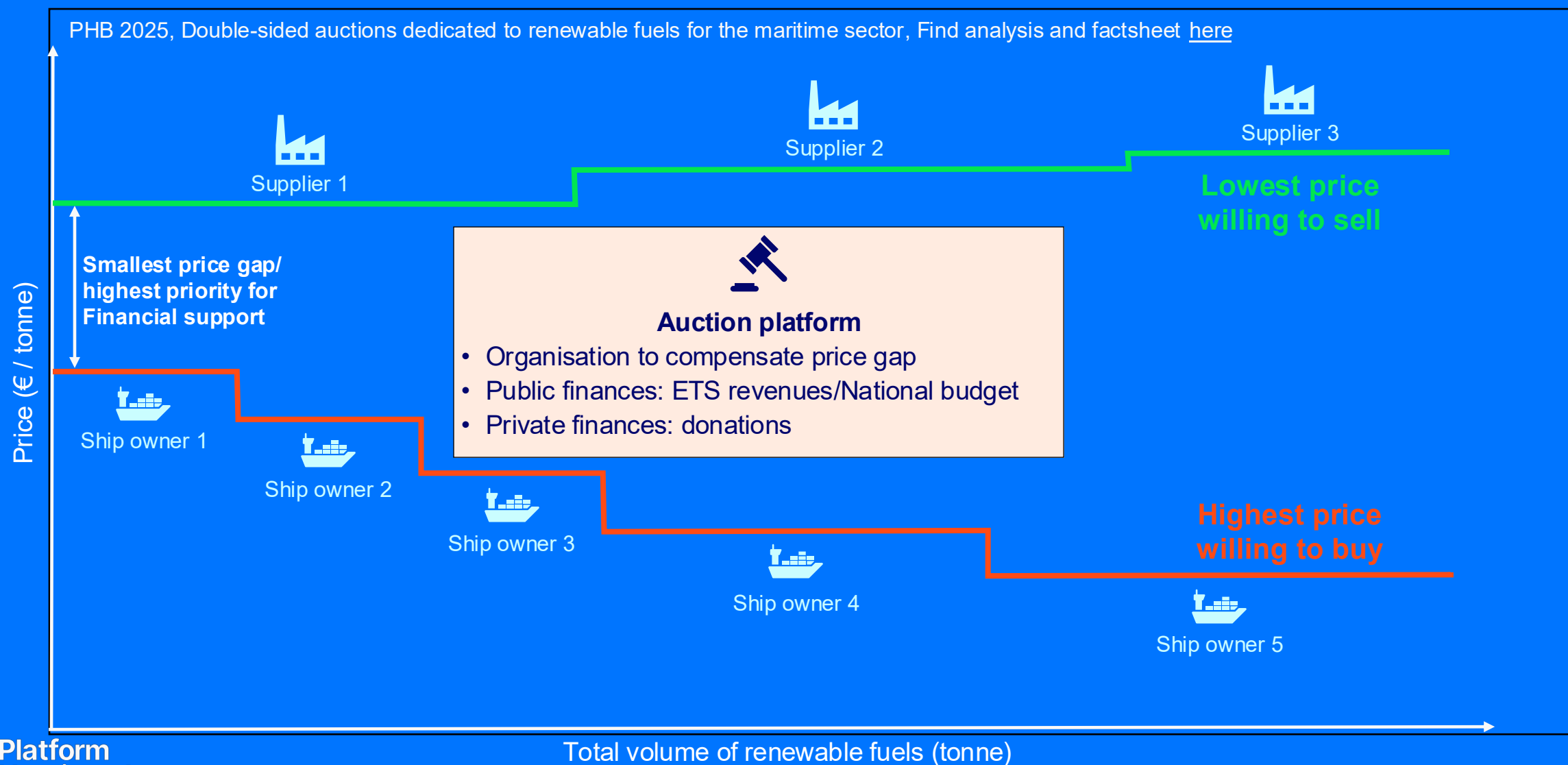
Summary of findings for e-/bio-methane delivery via gas network

		Tankstation	NL	EU	
Digester in NL			OK	OK	Mass balance over interconnected gas grid
Digester in EU			NO	OK	NL: Concern about possible double count Solution: international harmonization
Digester			OK	OK	Special exception in EU and NL law NL maximises LNG to volume extracted + condensed
Digester			NO	OK	NL requires physical withdrawal from gas grid No virtual liquefaction in NL Permitted according to EU & practice in BE
Digester			NO		NL requires proof of biogenic origin MeOH discriminated against LNG, biomethane & RFNBO

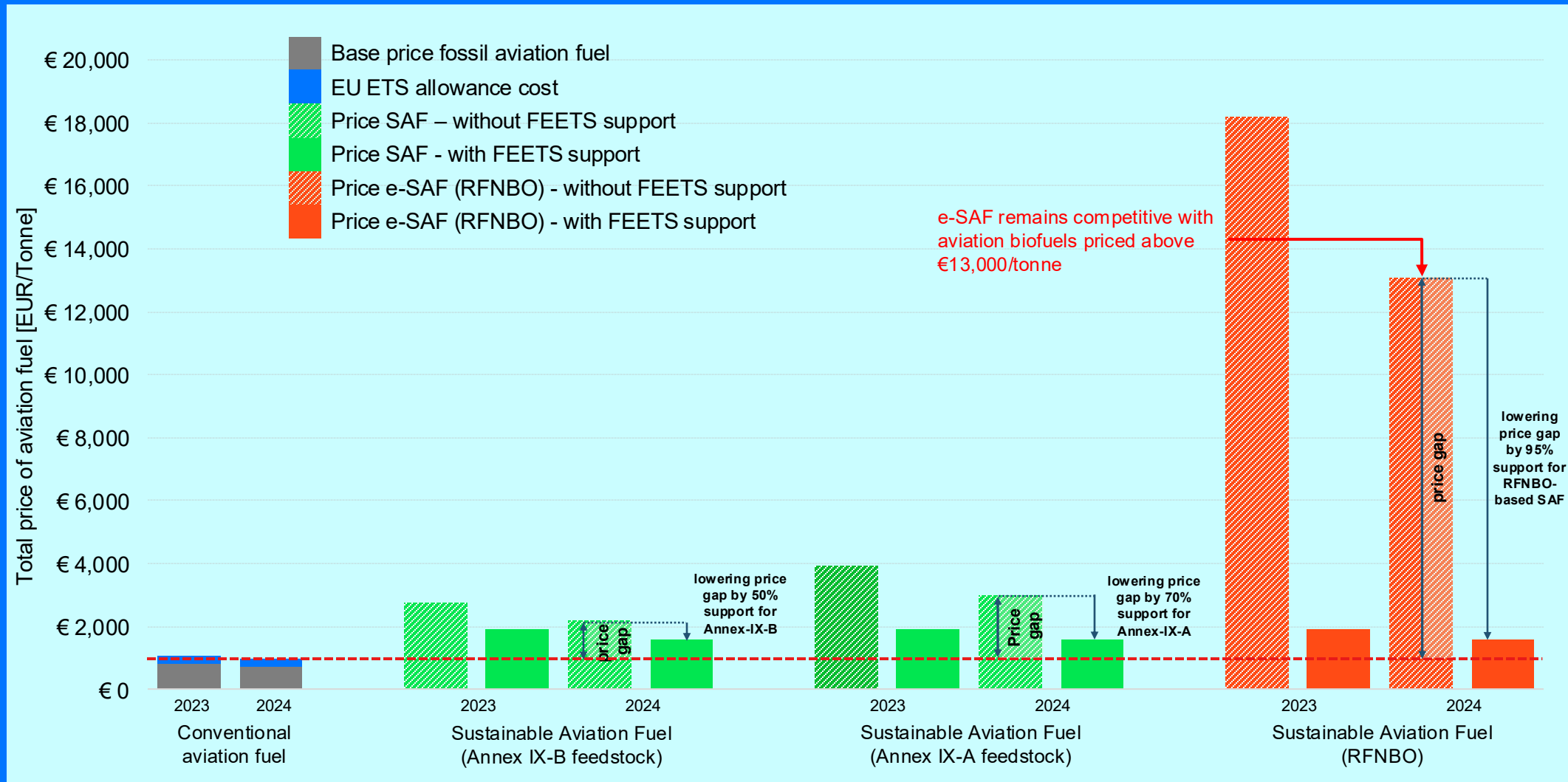
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Double sided auction: how to bridge the price gap?



SAF allowances: instrument does not establish a level playing field for new option



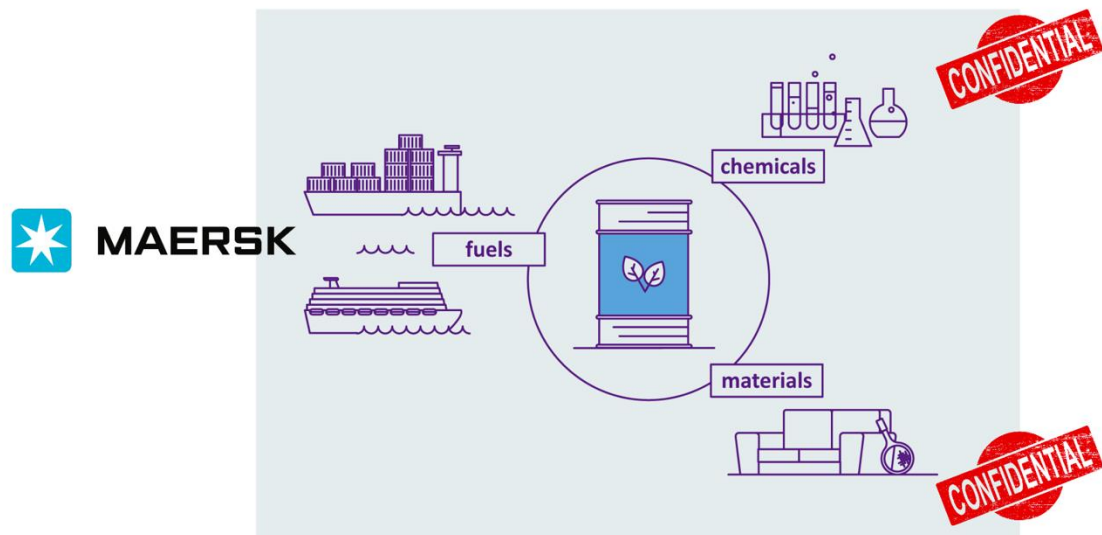
Strategy for quick ramp up production and deployment in the market:

Strategy for quick ramp up production and deployment in the market:

1 High ambition in the mandates and instruments

Business models for various demands and needs. Vertoro, Michael Boot

Business Model – Direct B2B Sales



Vertoro - Teaser Deck - Nov 2021

Goldilocks® crude
Accelerating our customers' decarbonization journey one barrel at a time

Michael Boot | Co-founder & CEO
Michael@vertoro.com

Strategy for quick ramp up production and deployment in the market:

- 1 High ambition in the mandates and instruments
- 2 Make good use of the renewable fuels to build the supply-chains for future perspectives in green chemistry**

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- 3 Use existing infrastructure for quick ramp up**

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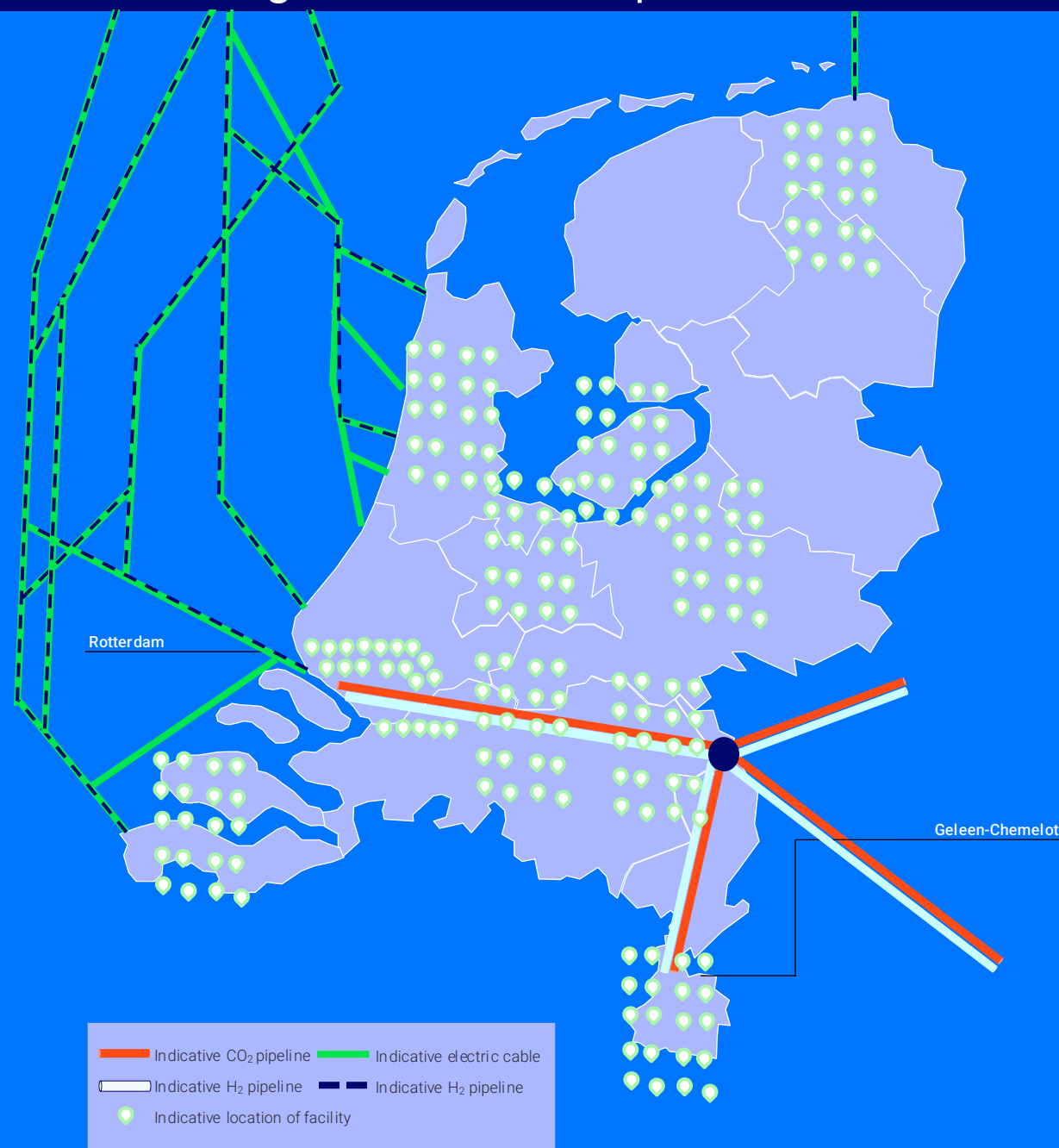
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Key recommendation from Roundtable advanced biofuels: Ecosystem Approach

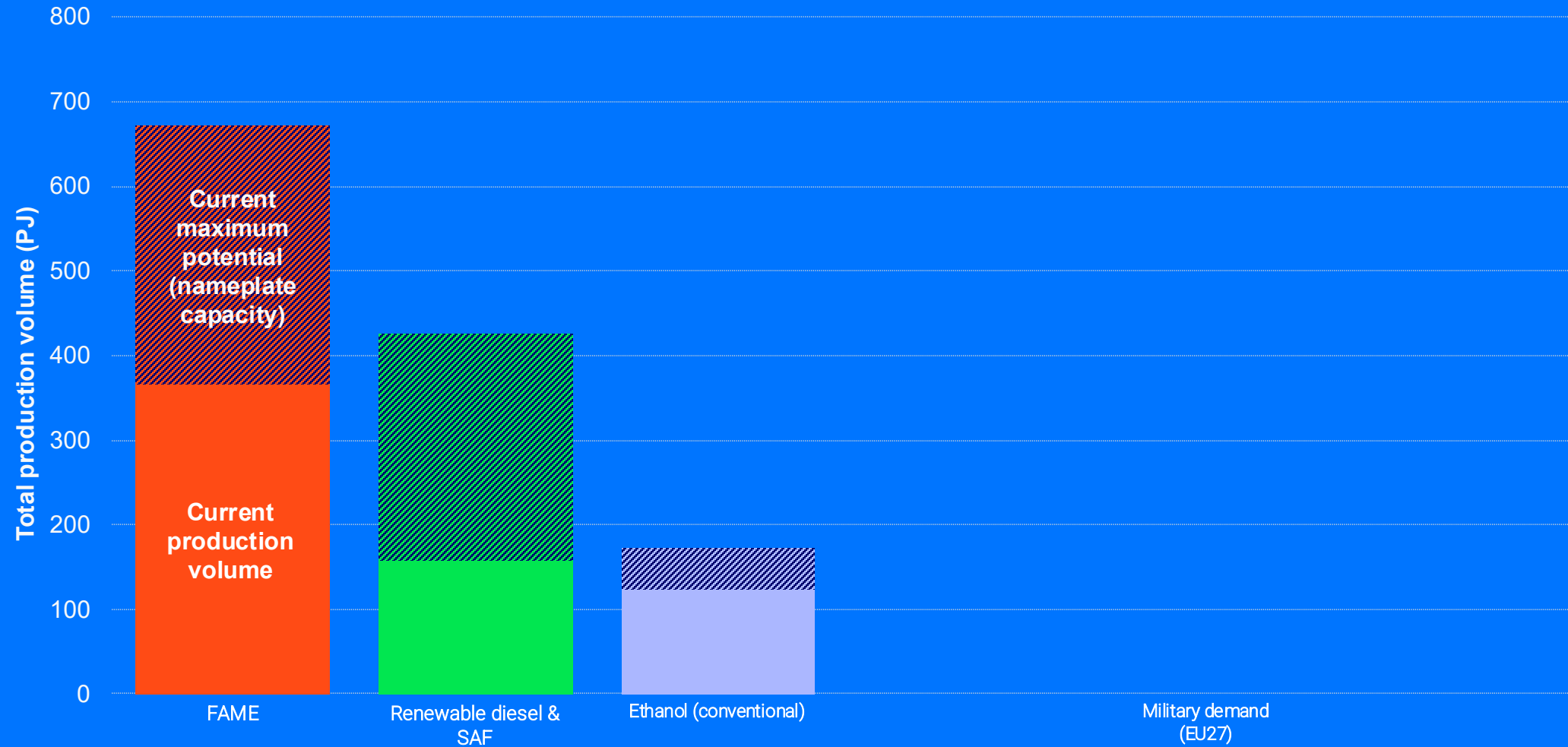
- The concept of ecosystem only recently became jargon in EU policy
- It has been actively endorsed and stimulated in other countries like India
- An ecosystem can only be developed under the initiative and strong leadership of (regional) government
- For a succesful ecosystem for advanced biofuels, the nexus must come together at a certain time and place of the following:

Stable long-term policy	+
Reliable technology	+
Viable value chains	+
Strong industry engagement and leadership	?
Adequate and not complex to obtain financing	-
Operational market	+
Social acceptance	?

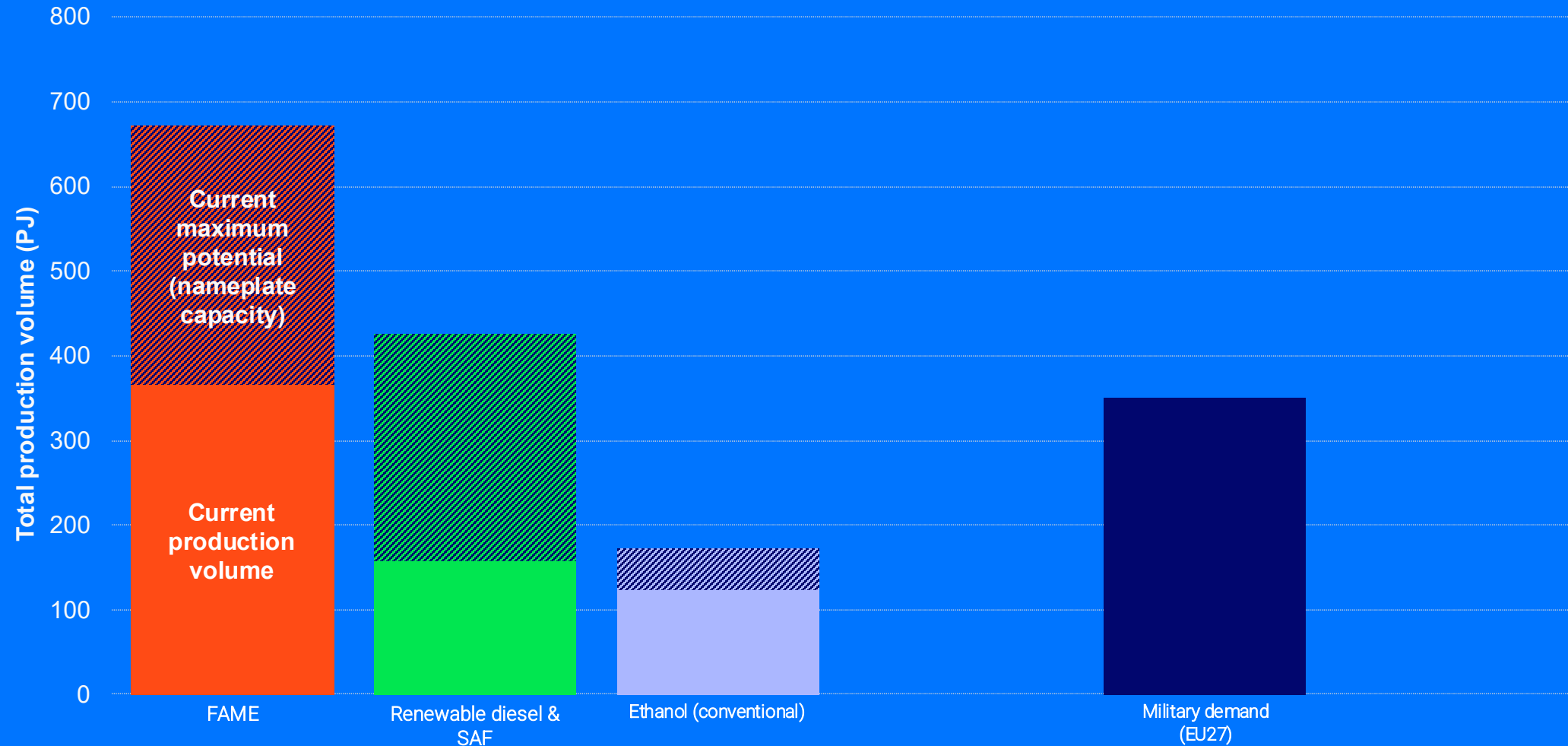
Indicative locations for green facilities: important roles for the Dutch Ports



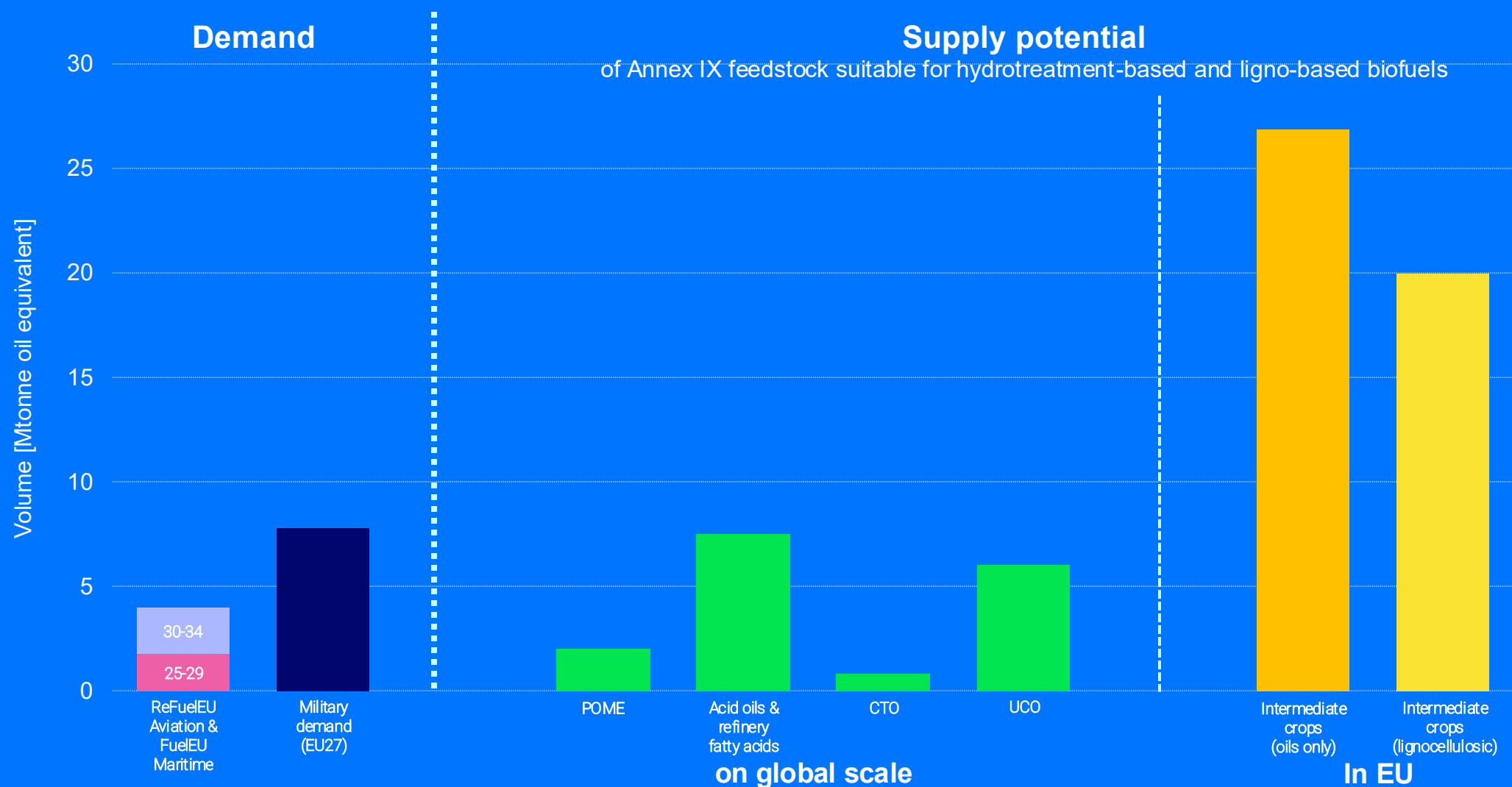
Military demand (EU27) can be met by current production capacity of biofuels and estimated potential in Europe (volume produced in 2024)



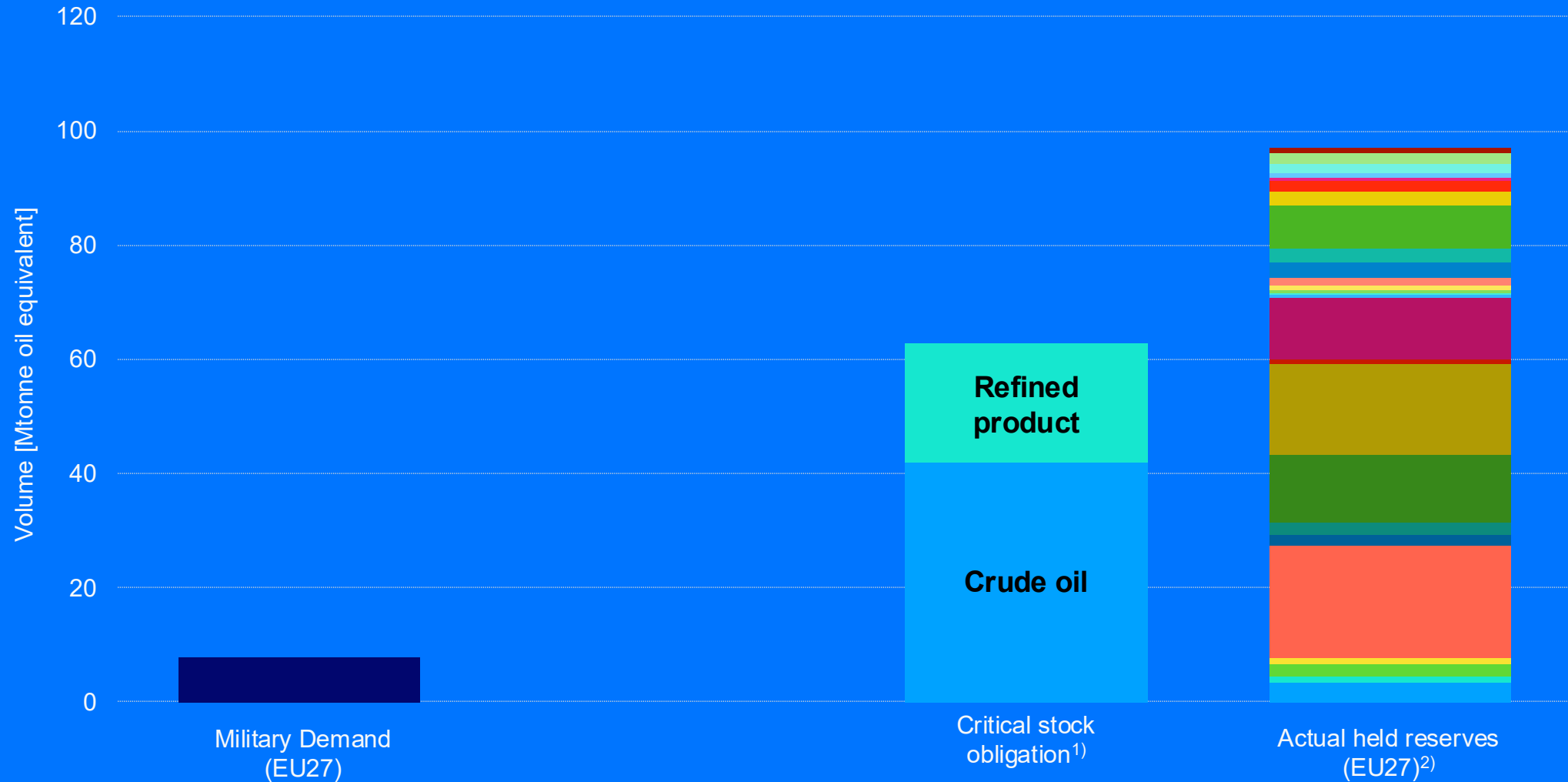
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Theoretical potential EU feedstocks (Yellow/Orange) by far sufficient



Military demand is small compared to the critical stock obligation. This directive is however focused to keep fossil oil product reserves –not renewable



- 1 How to think about production in Europe? And also how to think about this from the perspective of self reliance?
- 2 How to match the European feedstock base: renewable electricity, biomass, with fuel production or basic chemical production?
- 3 How to think about our options, about instruments and financial support?

Closing remarks

Renewable fuels allow us to achieve:

1. Reach self sufficiency

2. Organise feedstocks for needed green chemistry

3. Realise pathway away from fossil in the face of climate change

Call to action

- How can we prepare for local renewable fuel production that keeps us moving?
- Call to every participant's creativity also to think outside market logic
- This portfolio of solutions will be coming back in the celebration of the 10-year anniversary

Platform Hernieuwbare Brandstoffen.



www.hernieuwbarebrandstoffen.nl



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