

# The Refining Industry Strategy Mid-Century Strategy and Transition for Liquid Fuels An Industrial Opportunity

John Cooper – Director General

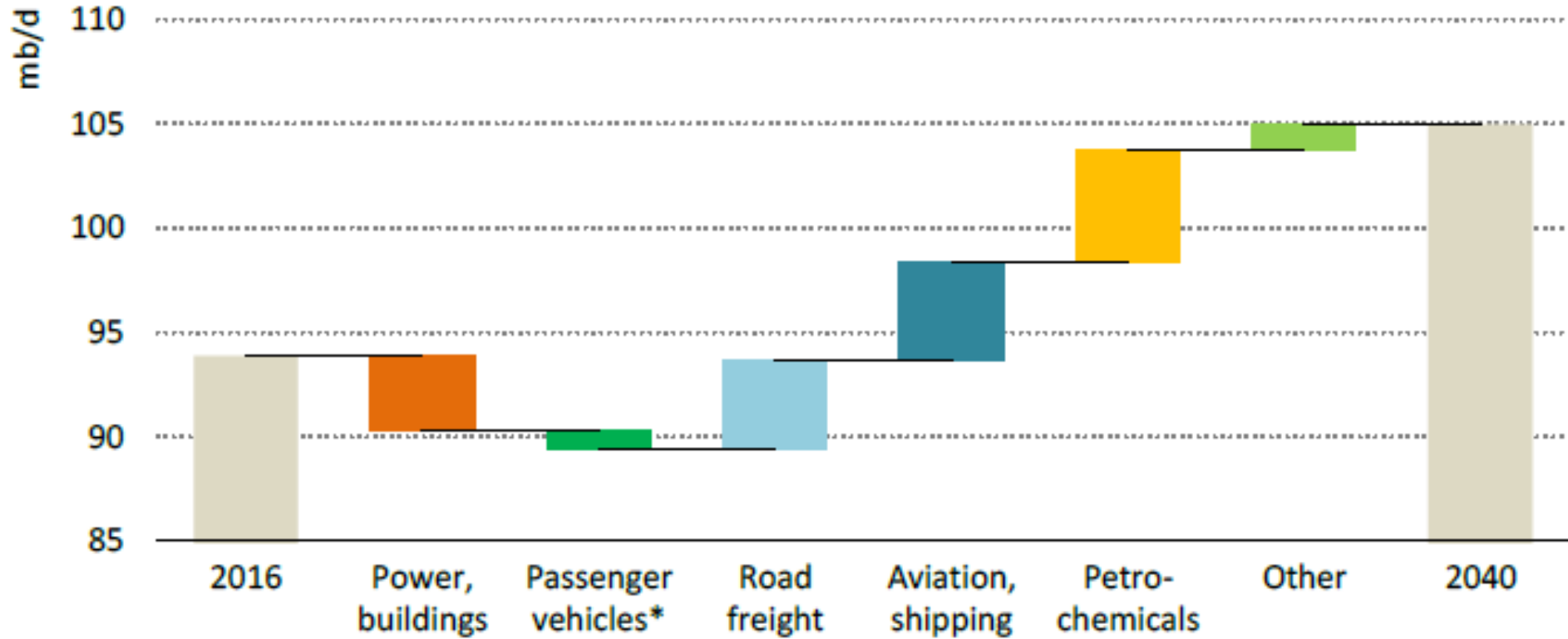


- FuelsEurope represents 41 Member Companies ≈ 100% of EU Refining





# Change in world oil demand by sector in the New Policies Scenario of IEA WEO 2017

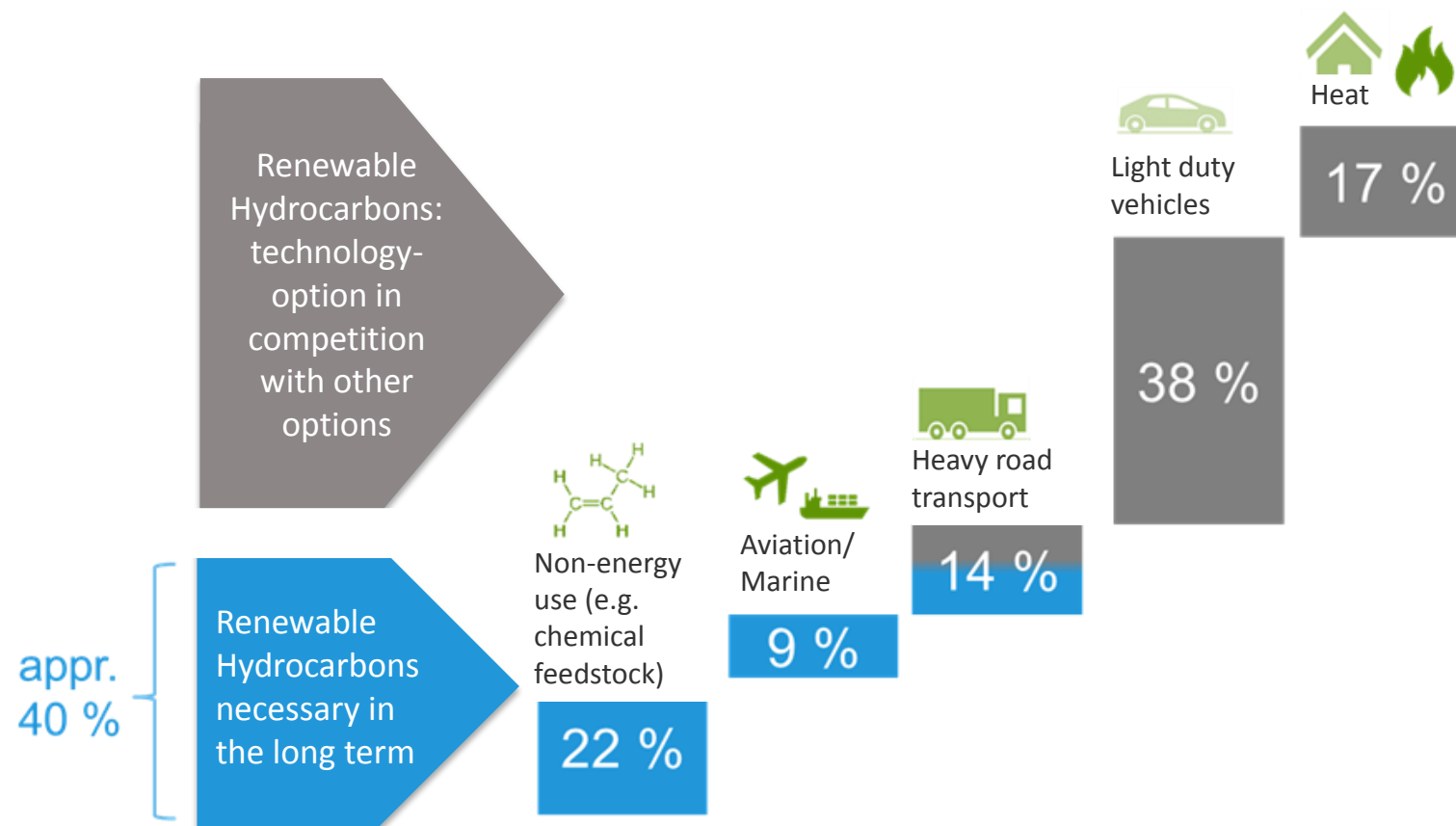


*While the outlook for oil in power generation, buildings and passenger vehicles hints at a peak in oil demand, this is more than offset by rising demand in other sectors*

\* Includes passenger cars, two/three wheelers and buses.

# The answer: low carbon liquid fuels and products

## Use of oil products/hydrocarbons In Germany 2016



# Aviation and energy storage

## Boeing 787



**230 tons**  
at take-off

Jet fuel



**100 tons<sup>1</sup>**

Electric battery



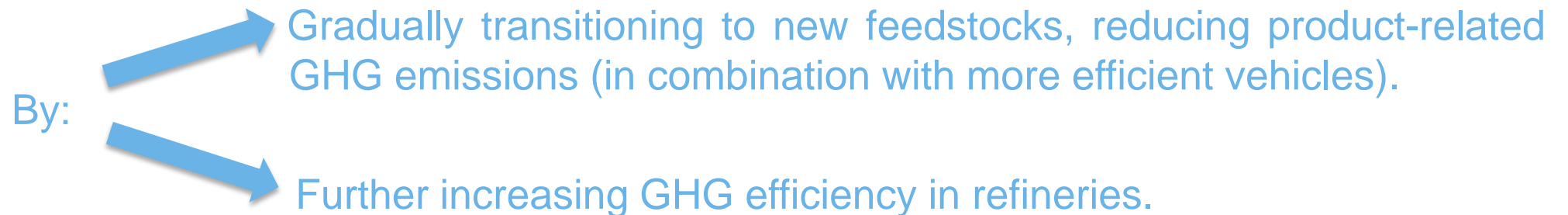
**2000 tons<sup>1</sup>**

# GHG emissions and Climate Change

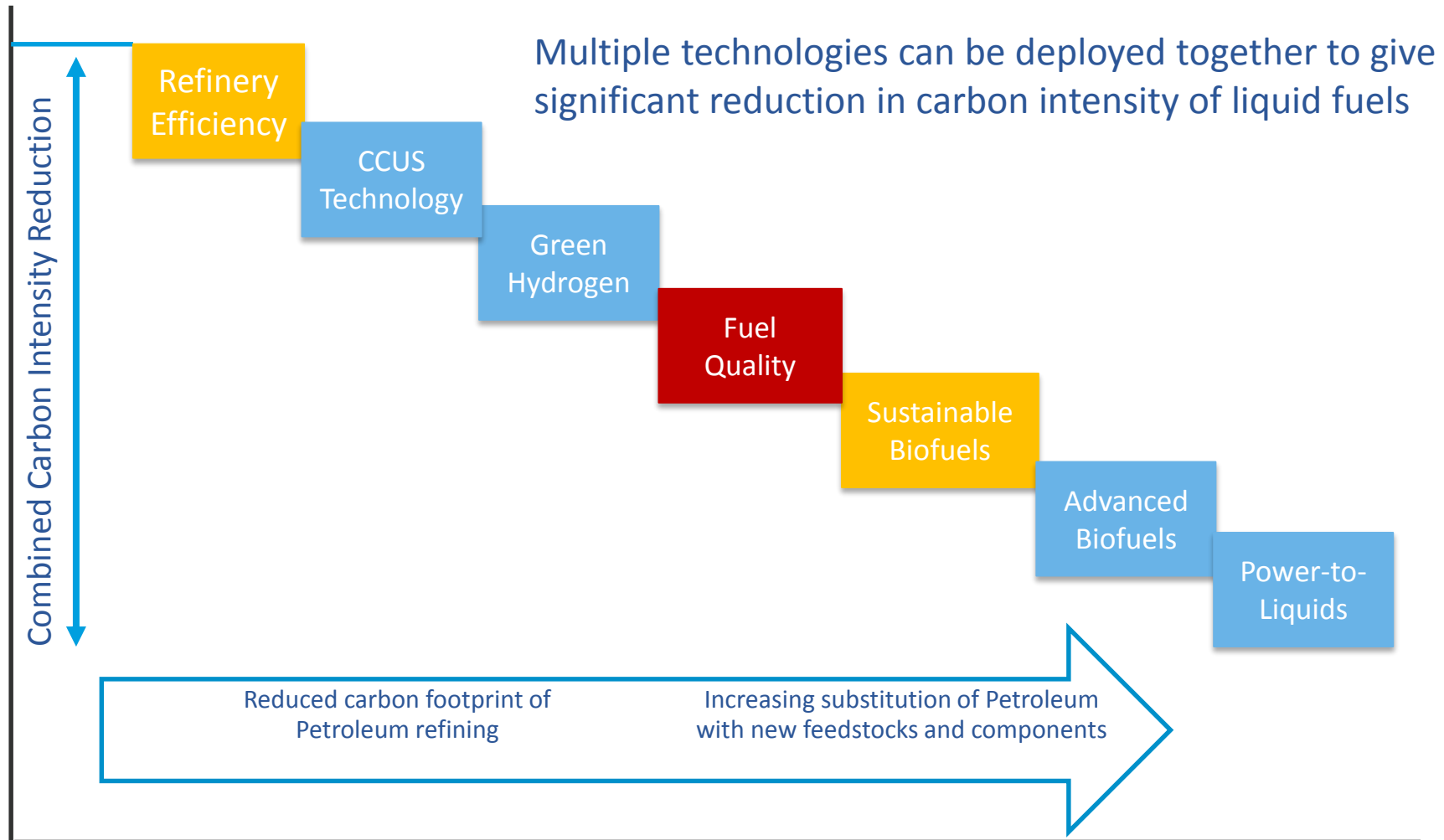
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- FuelsEurope recognises that climate change is real and warrants action.
- Answering the demand for energy while limiting the GHG emissions is a critical challenge.

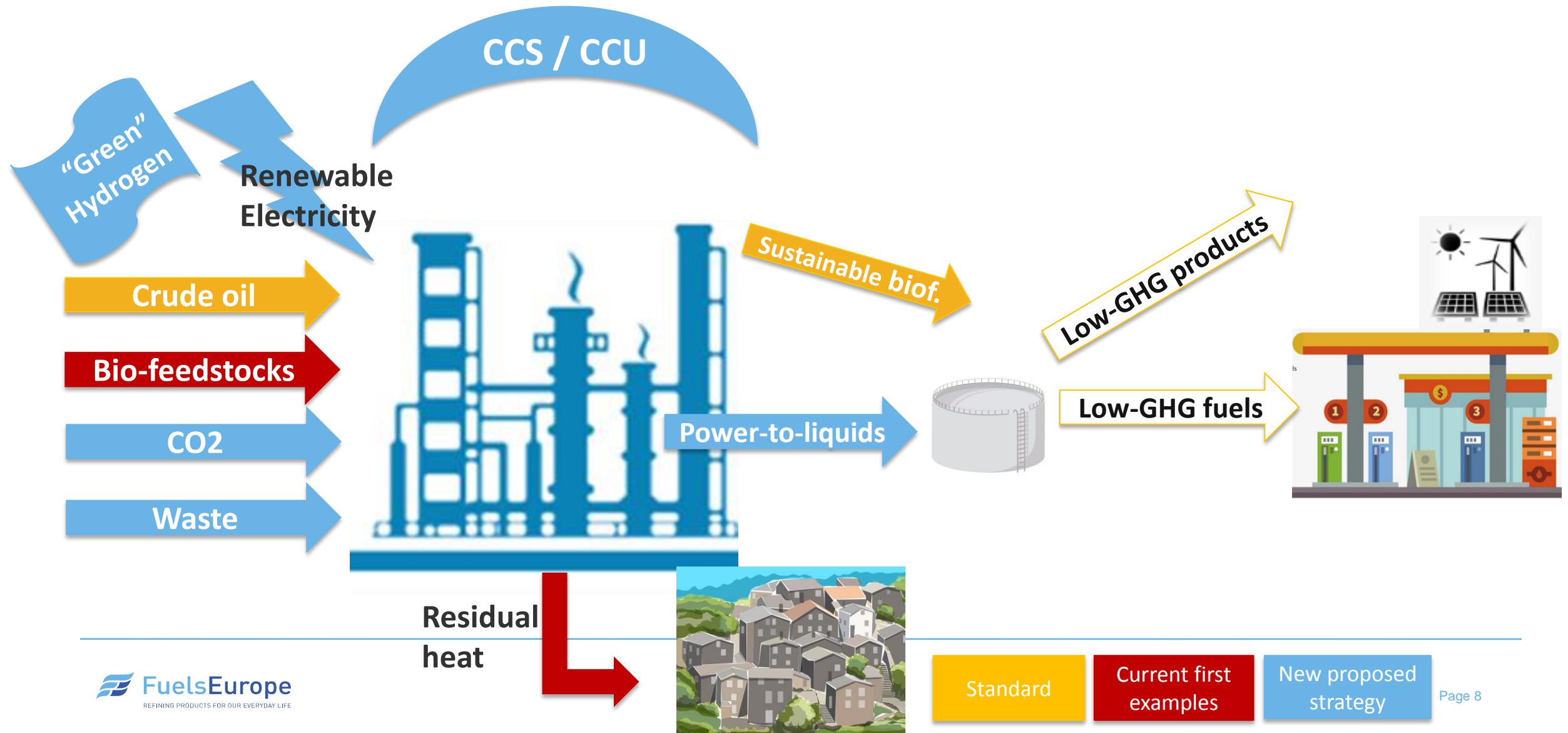
**The EU refining industry can effectively contribute to address this challenge**



# We have the technologies...



# The refinery as an ENERGY HUB within and INDUSTRIAL CLUSTER





# Why can refinery industry lead?

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- Extensive corporate R&D capability.
- Deep experience in hydrogen and biofuels technologies.
- Growing experience in CCU & CCS.
- Close involvement in industrial clusters.
- Financial & project capability.
- Already subject to strong regulation.

## Why is this an attractive solution for the EU?

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- **Industrial clusters** exploit synergies and jointly develop innovative low carbon technologies.
- Low carbon liquid fuels reduce emissions of **all the vehicles in circulation immediately.**
- Complements Europe's **global lead on ICE technologies.**
- Full **utilisation of existing infrastructure** from refineries to service stations.
- **Industrial opportunity for EU** to export technologies to the rest of the world.
- **Skilled jobs, energy security, technological leadership** for EU economy.

# Policy enablers and requests

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- Ensure refinery and fuels low-carbon transition are included in the EU's industrial and technology strategies.
- Policy framework and regulatory system for long-term investor confidence.
- Retain refineries' economic viability despite aggressive international competition.

# Conclusion

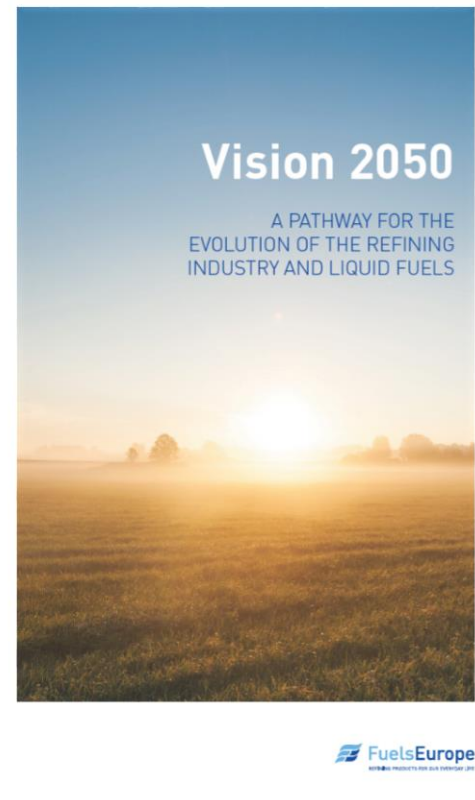
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**Reinforcing European climate leadership through technologies and industrial strategy.**

# Vision 2050

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Can be found at: <https://www.fuelseurope.eu/vision-2050/>





# THANK YOU FOR YOUR ATTENTION

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