

# eFuel Alliance

Opening Remarks  
Dr. Monika Griefahn, Chairwoman

# eFuel Alliance – Our Members



MEMBERSHIP – MORE THAN 170 COMPANIES AND ASSOCIATIONS AS WELL AS CONSUMER ORGANIZATIONS, INCLUDING:



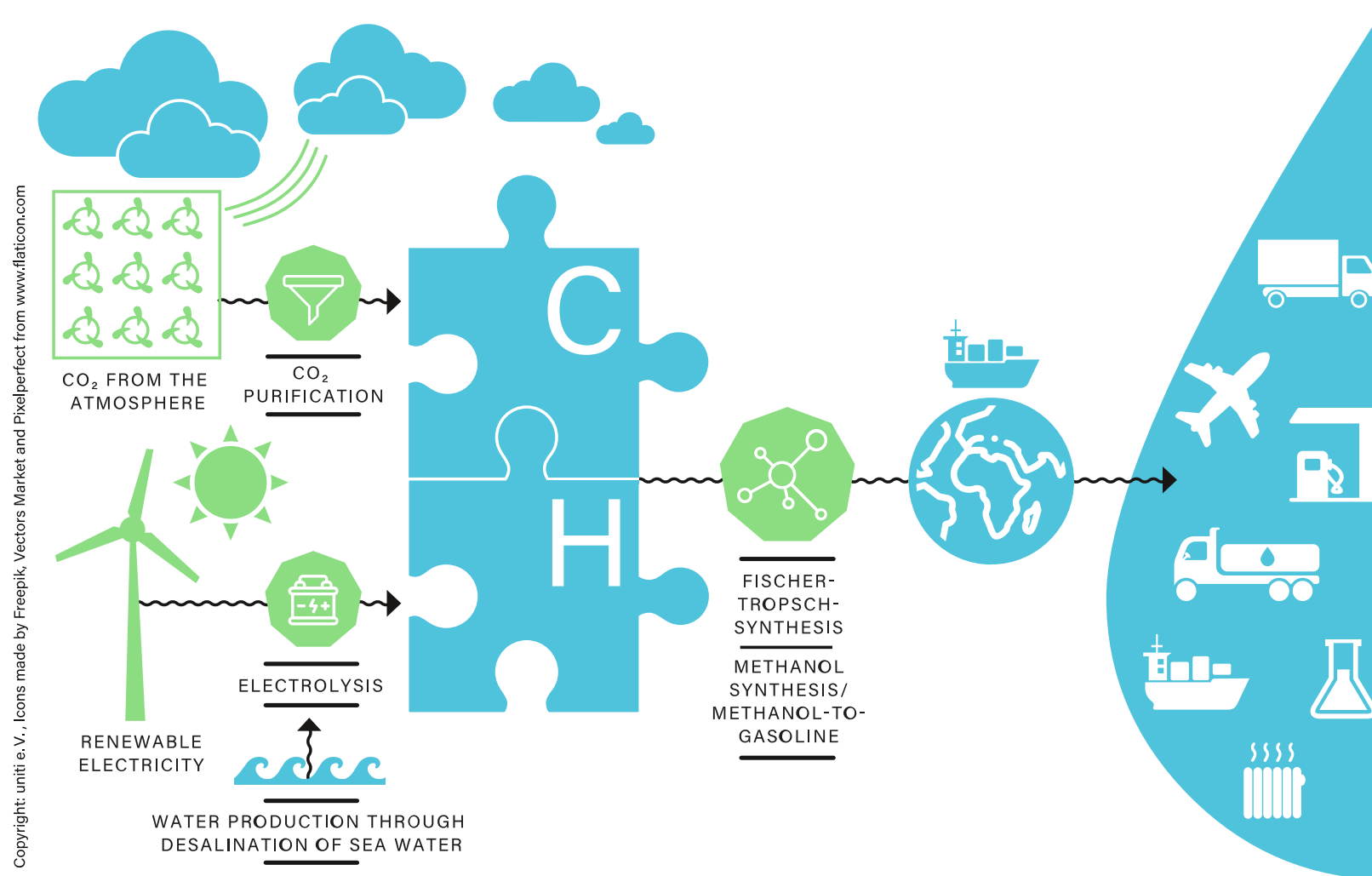
sunfire



ALWAYS AN IDEA AHEAD



# How are eFuels produced?



- Extraction of hydrogen from water by electrolysis using renewable electricity
- Hydrogen and CO<sub>2</sub>, directly captured from the atmosphere, are converted into a liquid energy carrier, by using e.g. Fischer-Tropsch synthesis.
- Power-to-X (PtX): Renewable electricity is converted into a synthetic, multi-purpose fuel with drop-in ability
- Climate-neutral process, no additional greenhouse gases are produced

# In a nutshell, where are the advantages...

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REPLACE  
FOSSIL FUELS

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eFuels can replace conventional fuels completely. Immediate emission savings can be achieved through blending during the market ramp-up.

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GLOBAL RENEWABLE  
ENERGY POTENTIAL

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eFuels can be produced in locations with the right conditions, like in Chile (windpower), in Northern Africa (solar power) or in Norway (hydropower)

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USE EXISTING  
TRANSPORT SYSTEM

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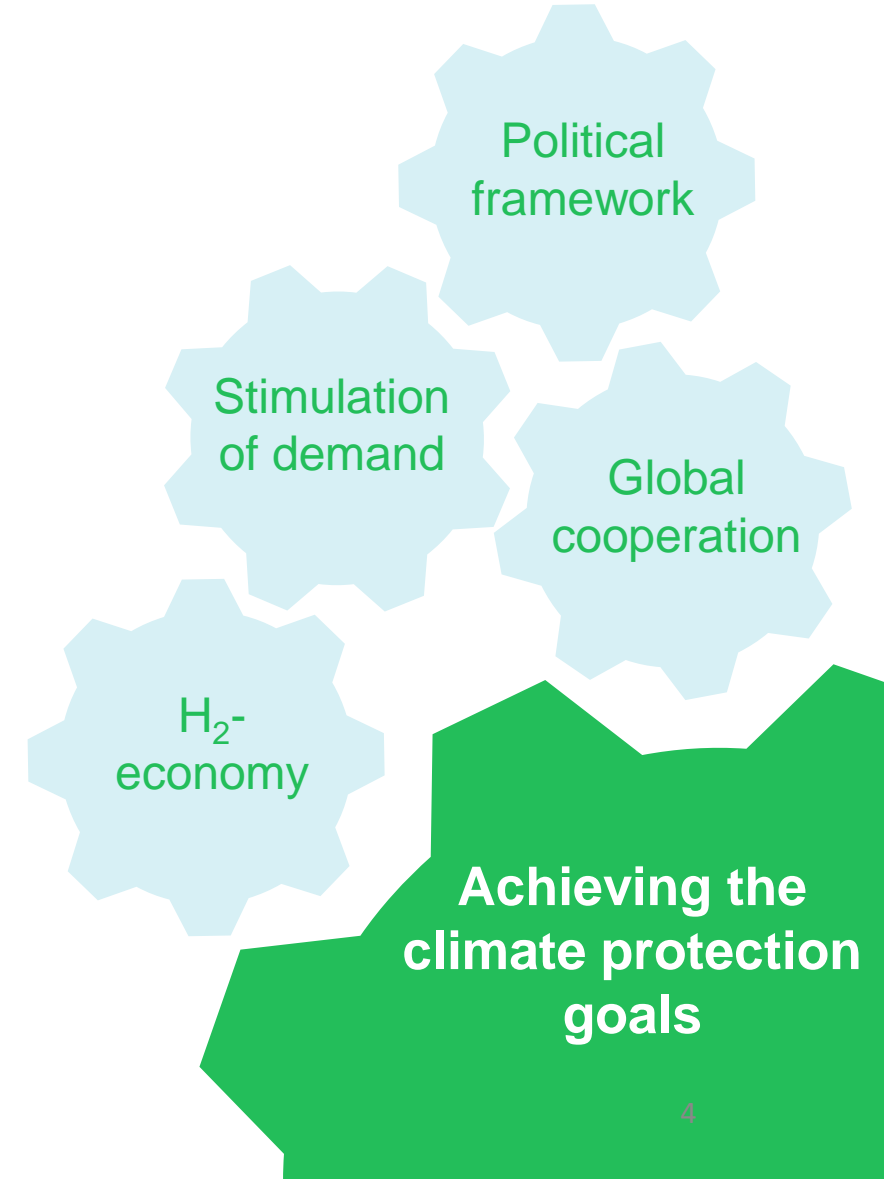
eFuels are easy transportable and use existing infrastructure (pipelines, refineries, tankers, filling stations)

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CREATE GLOBAL  
REVENUE

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A global value chain leads to diversified energy supply, export of technologies and creates value as well as jobs locally.



# The moving parts policymakers in Europe need to turn

## EUROPEAN GREEN DEAL

Reduction of GHG  
emissions by at least  
55% by 2030

Ambitious Renewable  
Energy Directive

Adjusting the Energy  
Taxation

**2030  
CLIMATE  
TARGETS**

Ambitious  
FuelEU Maritime  
ReFuel EU Aviation

Credit eFuels in the  
CO<sub>2</sub> emission  
standards for cars,  
vans and trucks

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