

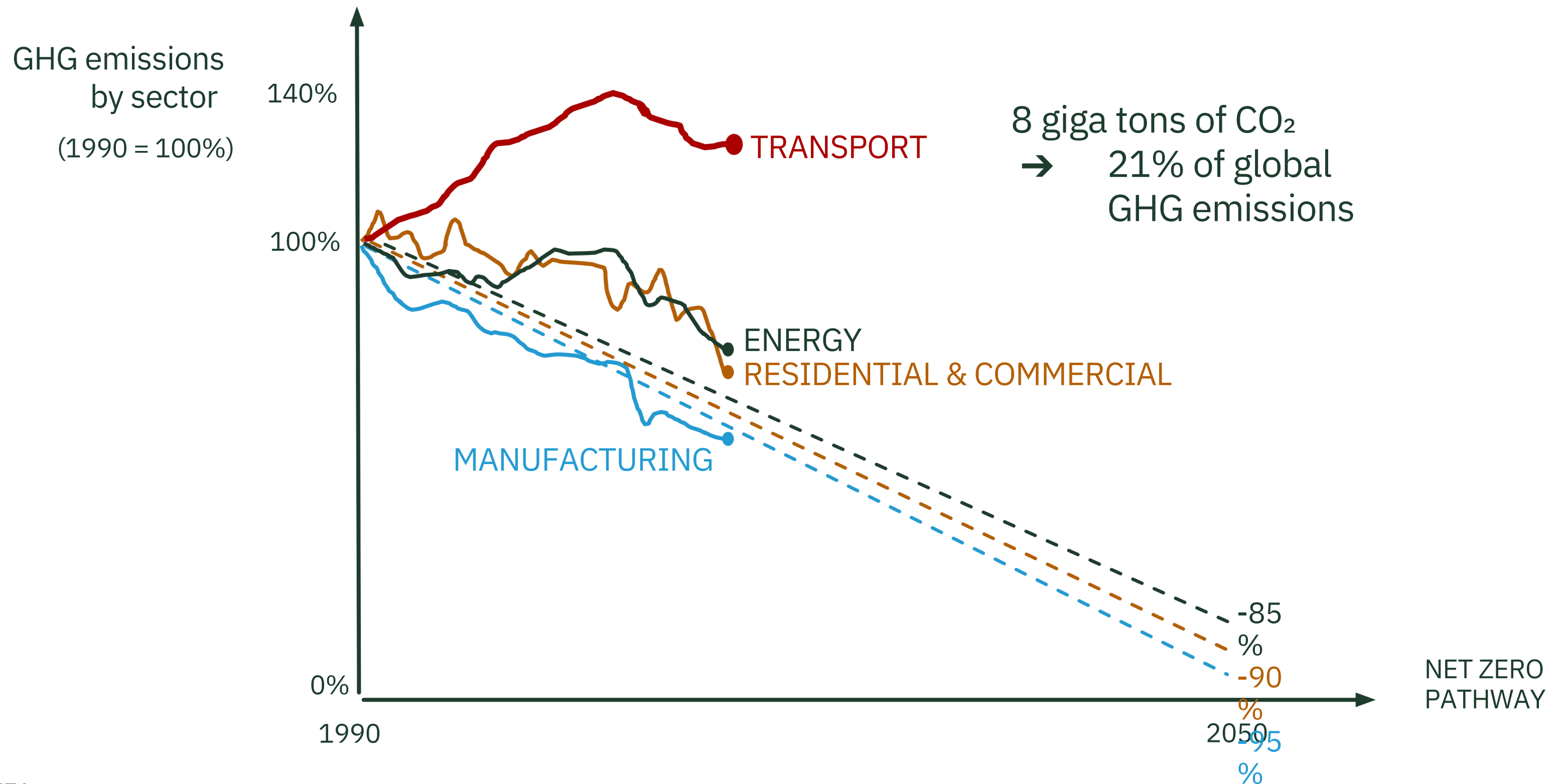
ACCELERATING CHANGE

Syntehtic Fuels is on a mission
to eliminate fossil gasoline.

Peter Blaskovits
Slovak National Hydrogen
Association



Transportation is the single biggest polluting sector, and it is not following the decarbonization path



The new energy carriers for decarbonisation

Reduction of CO₂ eq emissions*



*Calculated compared to the benchmark fossil fuel mix based on the Well to Wheel approach, referring to the emissions of the entire transformation and production chain

Up to **100%** ⚡
Electric*

Up to **93%** 🔥
Biomethane*

Up to **90%** 🌸
HVO (Hydro-treated Vegetable Oil)*

>70% 💧
Hydrogen**

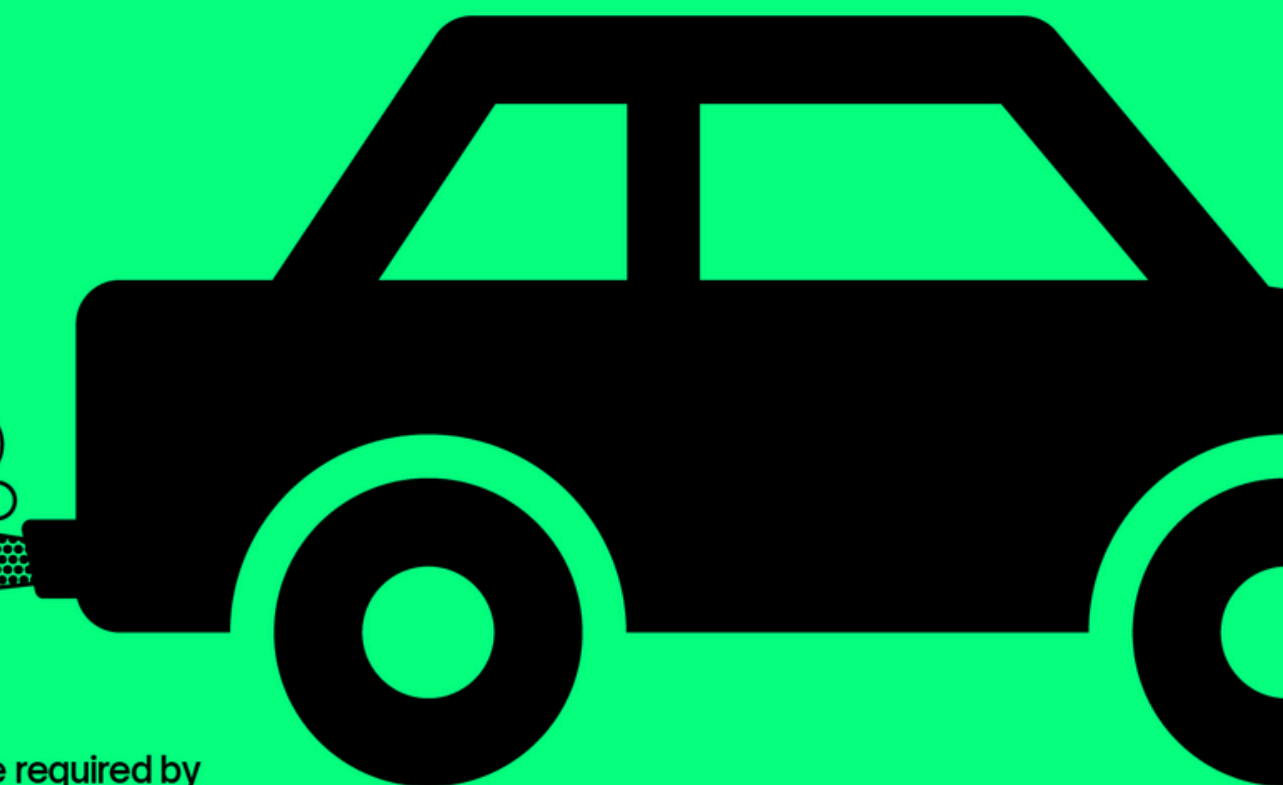
>70% ⚡🛢️
E-Fuel**

Up to **25%** 🔥
CNG/LNG

*maximum values achievable with feedstock from residues and waste or from 100% renewable energy

**70% minimum value required by RED II for RFNBOs (Renewable Fuels of non-biological origin)

In partnership with:
Eni, Snam, Aspi, CDP, Enea, RSE, Polytechnic University of Milan, CNR, Federico II University and UniCampania.



Hydrogen as a fuel

e-Fuel

Sythetic fuel

RFNBO



It is all same
Its FUEL



Do you feel to read it?

“RFNBO” means renewable liquid and gaseous fuels of non-biological origin. It is a product group of renewable fuels defined in the Renewable Energy Directive (Art. 2.36). These fuels are produced from renewable energy sources other than biomass. Gaseous renewable hydrogen produced by feeding renewables-based electricity into an electrolyser is therefore considered an RFNBO. At the same time liquid fuels, such as ammonia, methanol or e-fuels, are considered RFNBOs when produced from renewable hydrogen.

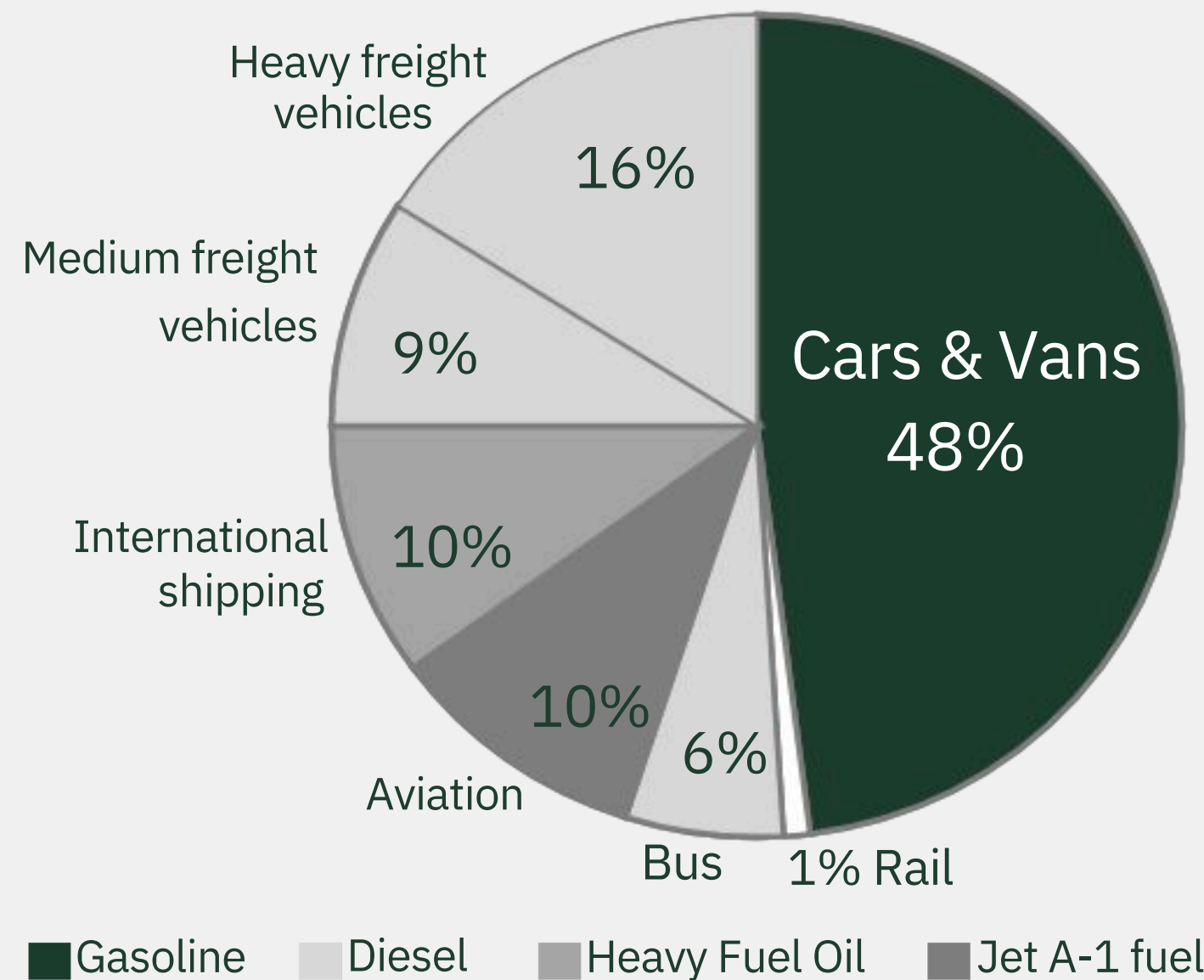
To date, RFNBOs are only considered as transport fuels to contribute to Europe's renewable energy targets if they are used as a transport fuel. However, the Commission proposed in its July 2021 amendment to the Renewable Energy Directive that RFNBOs should be counted towards Europe's renewable energy targets regardless of the end-use sector in which they are consumed.

Renewable hydrogen that is produced from biomass sources (such as biogas) is not considered to be an RFNBO, but is covered by the Renewable Energy Directive under the definition of ‘biomass fuels’. Biomass fuels can already account towards Europe's renewable energy targets as long as they meet the relevant sustainability standards.

RFNBOs will only be counted towards EU's renewable energy target if they have more than 70% greenhouse gas emissions savings compared to fossil fuels, which is the same standard that applies for renewable hydrogen produced from biomass. The exact methodology to calculate the emissions savings of RFNBOs is set out in the second Delegated Act adopted today.

Within transportation, cars & vans account for ~50% of CO₂ emissions – and are set to continue emitting, as global ICE fleet stays above 1bn for decades.

Breakdown of "Transportation" CO₂ emissions in %, colored by fuel type



Internal combustion engines will not cease to exist and will keep relying on fossil fuels for decades to come.

Gasoline in Passenger cars is the single most relevant fuel to cause CO₂ emissions

The solution: a 100% fossil-free - RFNBO gasoline that works in any internal combustion engine without modification

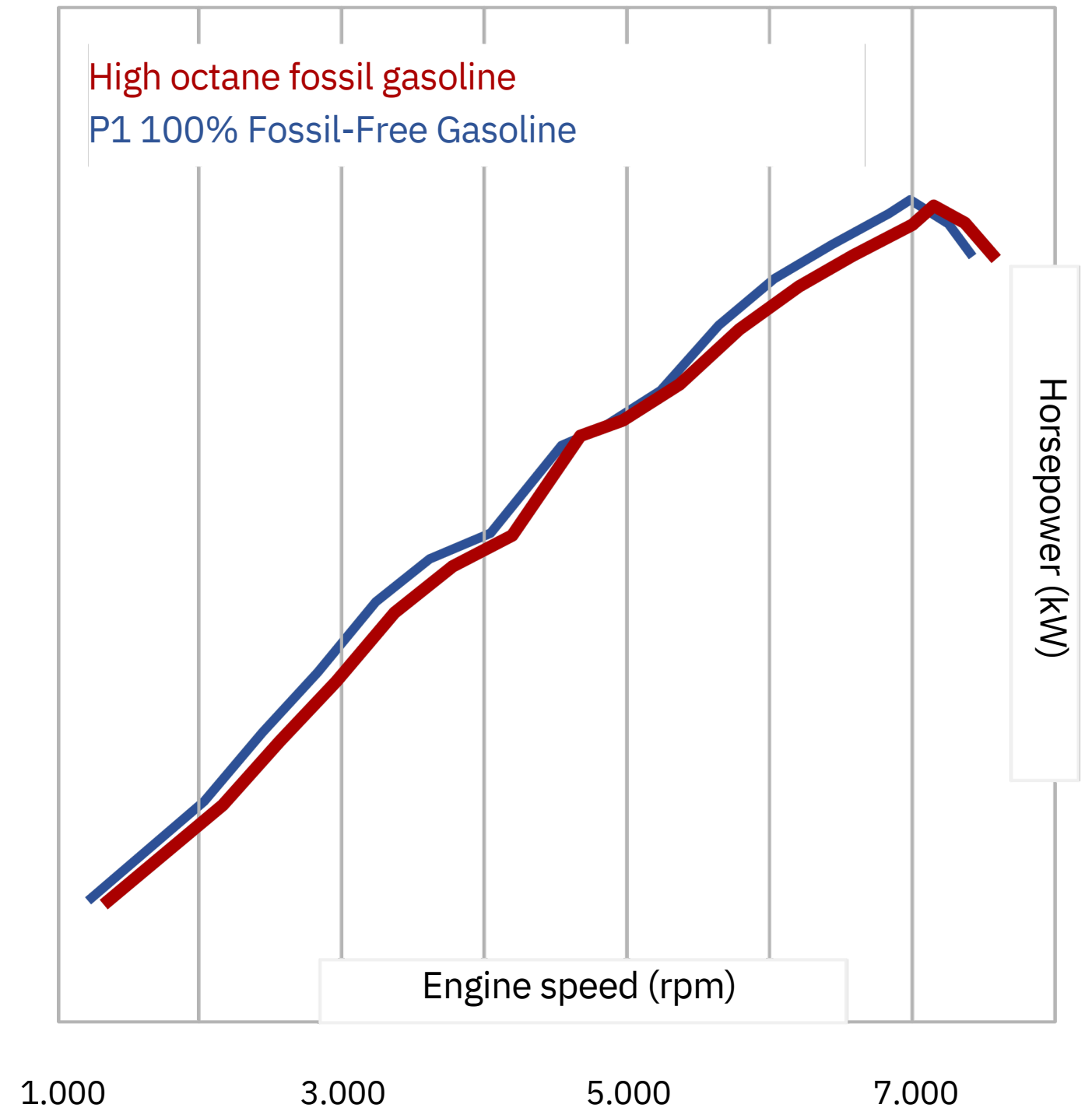
100% FOSSIL-FREE

DROP-IN

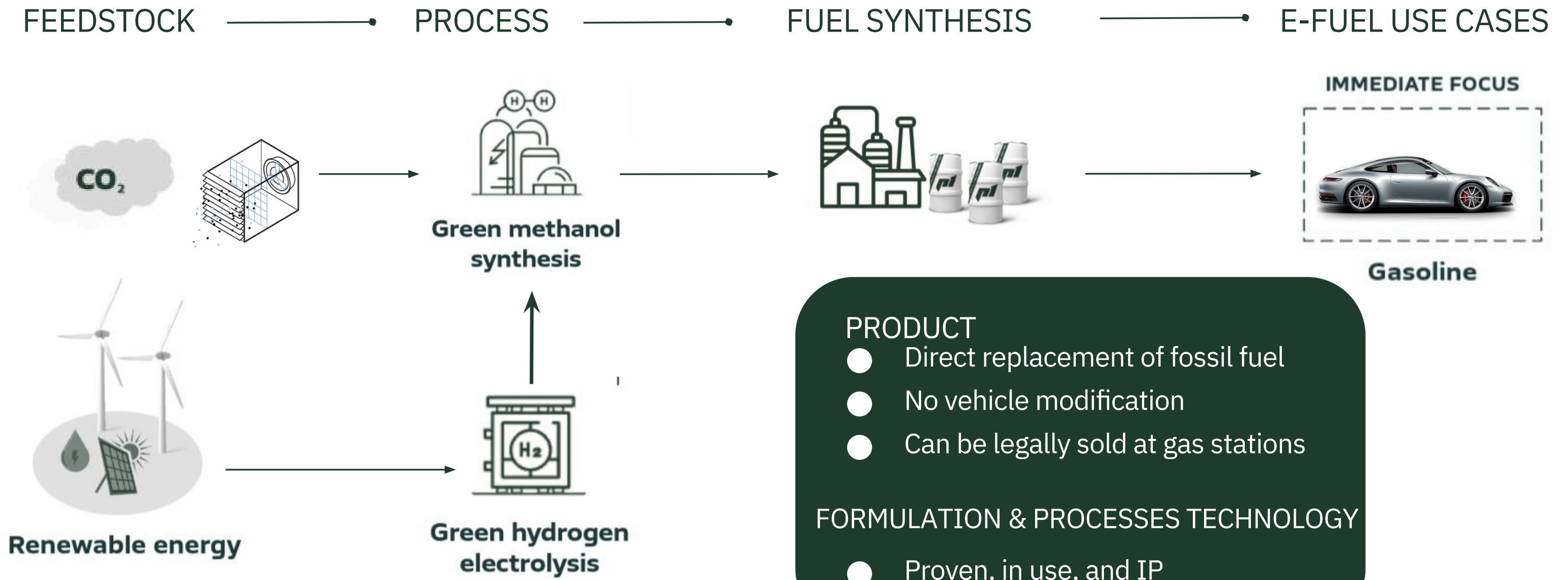
0% ETHANOL

TESTED &
RECOMMENDED

COMPATIBLE WITH FOSSIL
FUEL INFRASTRUCTURE



New technologies allows us to produce affordable fuels at fossil fuel costs, no vehicle modifications or refinery upgrades needed.





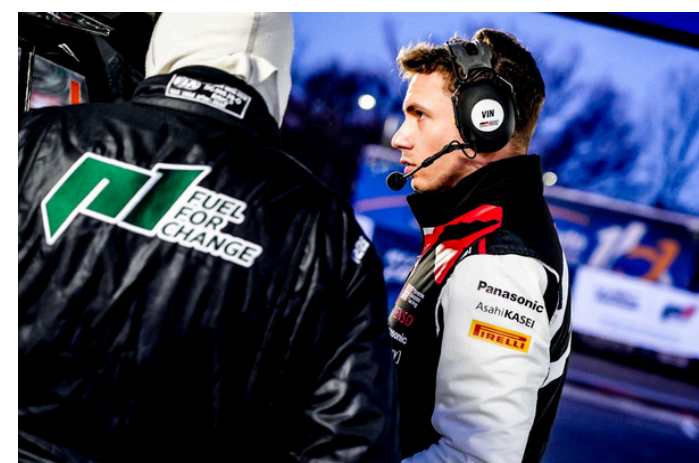
BORN ON THE TRACK.

Motorsports have always been the driving force behind automotive technology advancement. It is with this commitment to innovation that at Synthetic Fuels, we are pioneering the production of entirely fossil-free fuels. Our goal? Decarbonising the mobility sector, starting our journey with motorsports.

OUR TRACK RECORD SPEAKS FOR ITSELF.

In the FIA's 120-year history, Synthetic fuels are the the first and only 100% fossil-free gasoline to power a World Championship, decarbonize multiple F1 engines and enable various car manufacturers to seamlessly switch from fossil fuel, proving its versatility and performance.

FIA = International Federation of the Automobile



Synthetic fuels targets niche markets as a strategic path to mass market expansion



CLASSIC CARS



RACING CARS



BOATS



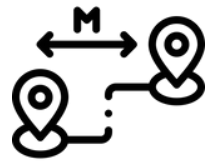
UL AVIATION



ROAD CARS



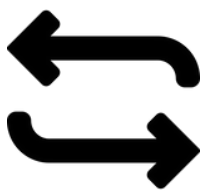
More than 4000 cars refueled.



More than 200.000 km driven



Certified road fuel in the EU, US, and Japan



Technology developed to be a 1:1 replacement of fossil gas and validated by OEMS



From the freezing Arctic Circle to the heat of the desert, Sythetic Fuels delivers top performance



Three years of development resulting in our EVO3 fuel

gasoline in racing

Next:
1 billion passenger cars



Sythetic fuels - FOSSIL-FREE GASOLINE ALLOWS EVERY SINGLE VEHICLE ON THE MARKET TO CONTRIBUTE TO CLIMATE PROTECTION WITHOUT ANY MODIFICATION!

JOIN OUR RACE AGAINST CLIMATE CHANGE.

Click on the text to view the videos.



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THE TIME TO SCALE
FOSSIL-FREE GASOLINE
IS NOW.

