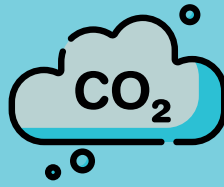


The European Green Deal

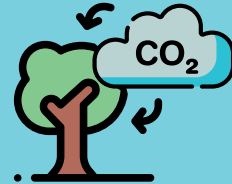
In the Fast Lane with Biomethane in Transport



15 Mt CO₂
avoided in 2030



Total EU
production capacity
of >1 200 TWh



CO₂ reduction
equivalent to
755 million trees



Up to
1 million jobs
in Europe



More than
4.5 billion € fuel cost
saving per year



Renewable gas: how to quickly reduce CO₂ in the transport sector

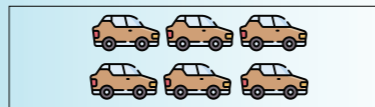
NATURAL GAS TECHNOLOGIES ARE FULLY COMPATIBLE WITH BIO AND SYNTHETIC METHANE, THUS ALLOWING FOR A COST-EFFECTIVE AND FLEXIBLE SYSTEM, CAPABLE OF INCLUDING A GROWING RATE OF RENEWABLES.

2020

In 2020, European natural gas vehicles (NGVs) use a fuel blend, already including more than 17% biomethane.

Together with an already 20% emissions reduction measured at the tailpipe, this biomethane share results in a 35% reduction at fuel & vehicle level when compared to conventional fuels.

CNG vehicles with 17% biomethane



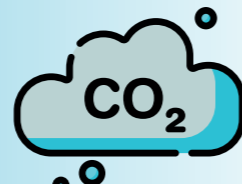
conventional fuel vehicles

By 2030, 40% biomethane will be available to power the entire NGV fleet which is currently estimated to be more than 13 million vehicles.

This will result in an overall GHG emissions reduction of 55%.



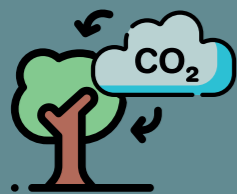
40% BIO



-55% CO₂

2030

In 2030, the European fleet of about 13.2 million gas vehicles will save 15 megatons of CO₂ which is equivalent to:



Planting
755 million
trees



Driving
- 8 380 km
less compared to a
gasoline vehicle



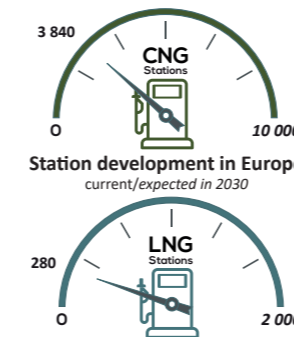
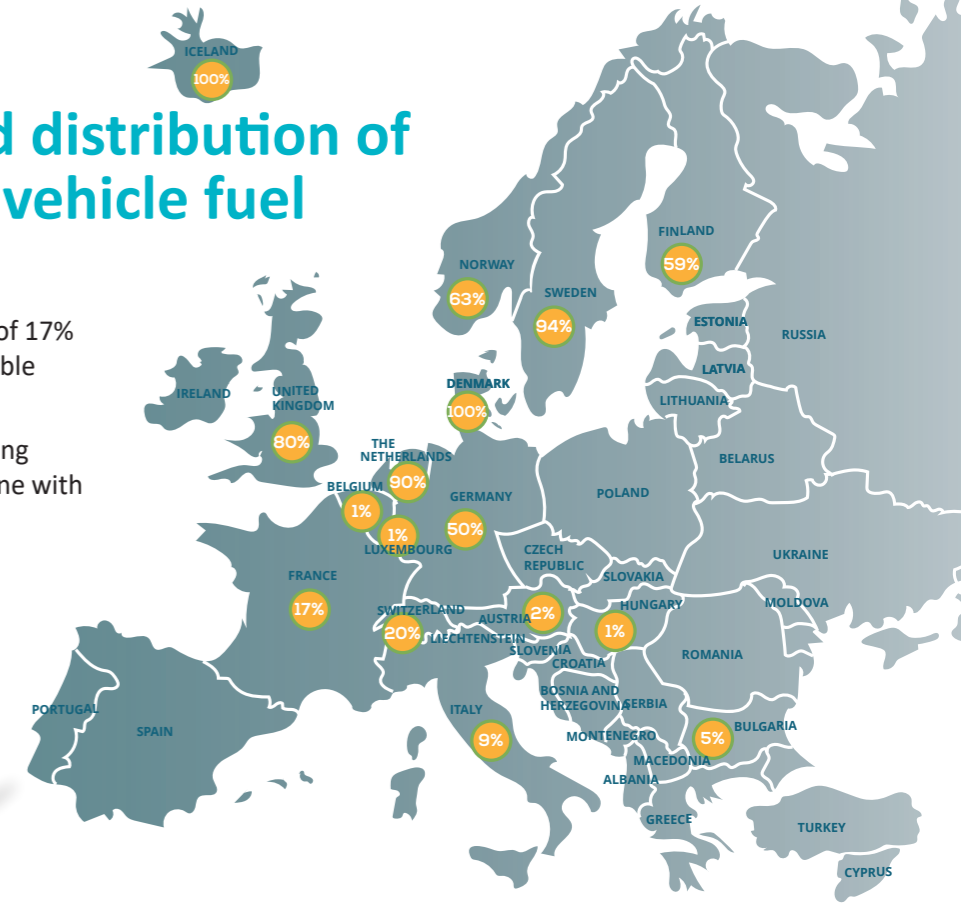
Flying
3.2 million x
around the world



CO₂ of a city with
2.1 million
inhabitants

Current use and distribution of biomethane as vehicle fuel in Europe

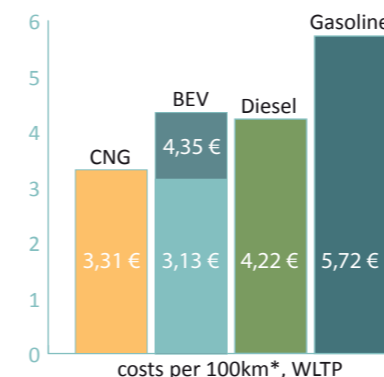
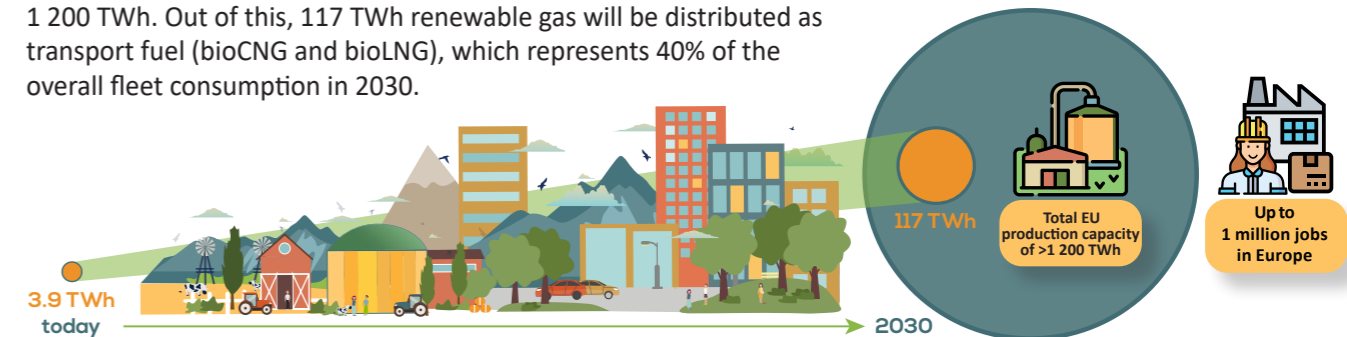
- Today, a rapidly growing share of 17% of biomethane is already available and fuelled as CNG and LNG.
- Almost 25% of Europe's refuelling network is supplying biomethane with a bio rate of up to 100%.



Data as of May 2020

How much renewable gas for transport?

From today's production of 22 TWh renewable gas, Europe has a potential of 1 200 TWh. Out of this, 117 TWh renewable gas will be distributed as transport fuel (bioCNG and bioLNG), which represents 40% of the overall fleet consumption in 2030.



Fuel operation costs

When fuelling vehicles with CNG or LNG, consumers benefit from huge fuel operation cost savings:

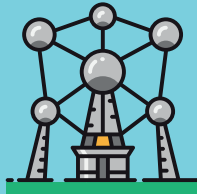
Europe's 2030 estimated natural gas vehicle fleet of about 13 million vehicles would result in a yearly fuel cost saving of more than 4.5 billion Euros, compared to conventional fuels.



More than
4.5 billion €
fuel cost saving
per year

*CNG/kg: 1,06€, Gasoline/L: 1,21€, Diesel/L: 1,13€, kWh home/fast charging: 0,22/0,30€

The added value of a locally produced clean fuel: the potential for a city like Brussels



1.2 million inhabitants

A city like Brussels, with 1.2 million inhabitants, produces about 210 kt of biowaste per year.

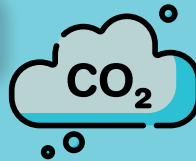


75 000 vehicles driving with 40% biomethane

This vehicle fleet would enable a 55% CO₂ reduction which is equivalent to 85 kt of CO₂ avoided in a city like Brussels.



Air Quality



-55% CO₂



173 kg biowaste per inhabitant every year

This biowaste is transformed to produce 14 kt of renewable gas per year.



Biomethane production

If distributed to road transport as 40% blend, a fleet of 75 000 vehicles could be fuelled.