BIOMETHANE IN ROAD TRANSPORT

Availability & sustainability

Biomethane can be used as a transport fuel as replacement for traditional fuels such as natural gas, gasoline or diesel.



Since biomethane is produced exclusively from waste, it closes open biological cycles and is therefore a solution to multiple environmental long-term challenges.

80 %

CO₂ savings compared to gasoline vehicles

34 bcm

billion cubic meters of sustainable biomethane can be reached by 2030

40 %

of all gas-powered vehicles in the EU could run on biomethane by 2030

Well to Wheel approach

Biomethane results in the least amount of CO2 emissions per kilometer (and even negative emissions) if counting the transport fuels' emissions from the moment of producing the fuel/energy carrier (well-to-wheel).





Source: NGVA (2020), BioLNG in Transport: Making Climate Neutrality a Reality. Evolution of LNG vehicles in Europe

Bio-LNG trucks in the EU fleet

The decarbonisation of long-distance vehicles will require renewable and lowemissions fuels such as bio-CNG and bio-LNG, suitable refueling infrastructure and vehicles that are able to utilize these sustainable fuels.

These renewable fuels are available immediately.



Achievable ranges with different propulsion technologies

The total electric vehicle fleet in the EU consists mostly of passenger cars. Heavy-duty road transport is harder to electrify because it is dependent on powerful engines for long distances and heavy cargo.

Recommendations

Source: EBA (2022), Fuelling clean mobility with bio-LNG, pg. 9



For more information visit www.biomethane4europe.eu

or contact us at info@biomethane4europe.eu



Biomethane for Europe an initiative of the Zürich 5 Coalition

Supported by Landwärme and Nære