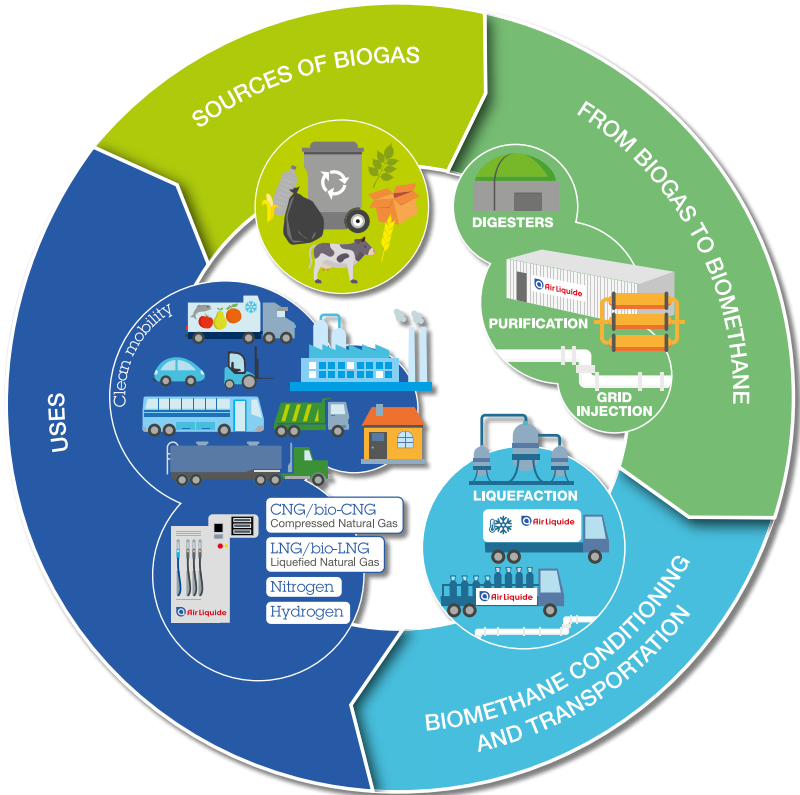


Committed to clean

transportation



Air Liquide's solutions for clean transportation



Biomethane

Transform biomass into a renewable energy source

- Solution to purify biogas and liquefy biomethane
- Upgrading biomethane (injection into the grid, fuel for vehicles)
- A virtuous energy source which can replace natural gas derived from fossil fuels

Nitrogen

Cryogenic nitrogen for refrigerated transport

- A quiet, clean and reliable solution
- Zero emissions when in operation
- Technology with no combustion engine
- An ideal combination with bio-NGV (zero particulates, less noise, a much lower carbon footprint)

Hydrogen

Clean energy breezing ahead

- Vehicles are 100% clean at the point of use: zero CO₂ emissions, zero particles and zero noise
- A hydrogen car can drive over 500km with a single charging
- Already 100 hydrogen stations worldwide by Air Liquide

Air Liquide upgrades biogas into biomethane for use in road transport

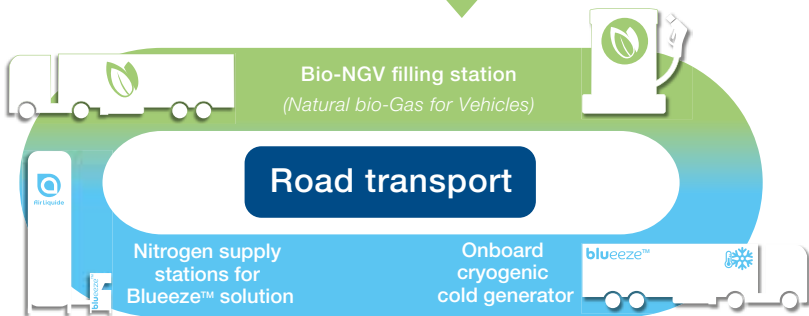
Committed to clean transportation, Air Liquide proposes a Bio-NGV offer that is being implemented thanks to the rollout of multi-energy stations.

Running on natural gas reduces:

- Noise by 50%
- NOx emissions by 80%
- Particulate matter emissions by 90%
- CO₂ emissions by up to 90%

Extended range capability:

- Up to 1,200km for a truck running on LNG
- Up to 600km for a truck running on CNG



blueeaze™, the cryogenic nitrogen solution for onboard cold transportation, combined with the Air Liquide bio-NGV offer, helps to significantly reduce your ecological footprint and optimize your deliveries.



Sustainable and clean



Silent



Cold chain safety



Maximum availability

Multi-energy stations for clean mobility

Global references

15 biomethane production units worldwide

Nearly 70 bio-NGV filling stations in Europe

More than 120 hydrogen stations designed and installed in the world

The Air Liquide group

A world leader in gases, technologies and services
for Industry and Health

Approximately 66,000 employees

Present in 80 countries

More than 3.6 million customers and patients

2018 Revenue: €21 billion

Contact

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 **Air Liquide**
creative oxygen