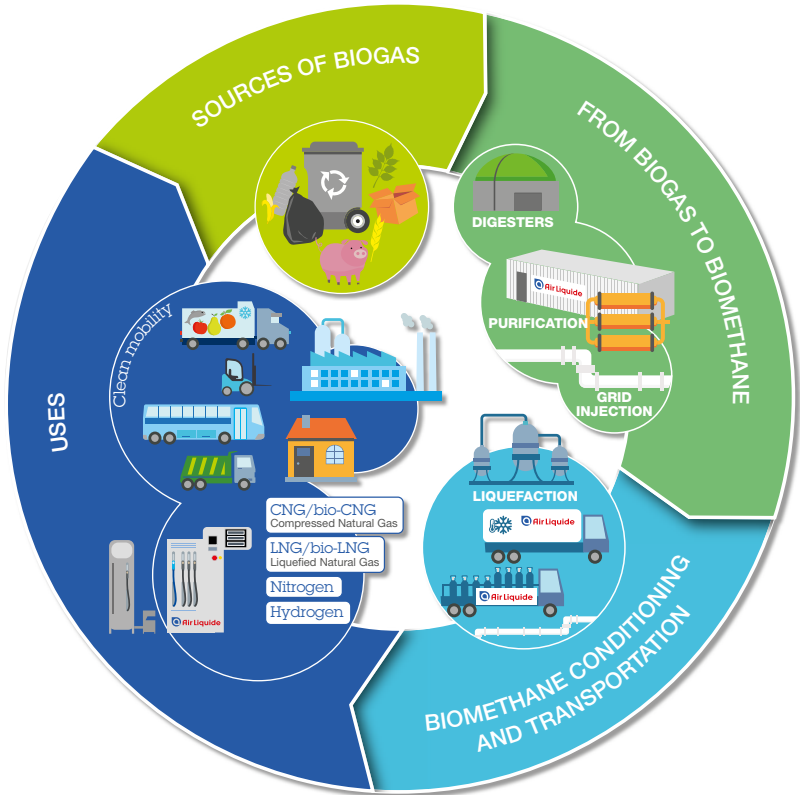


Committed to clean

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

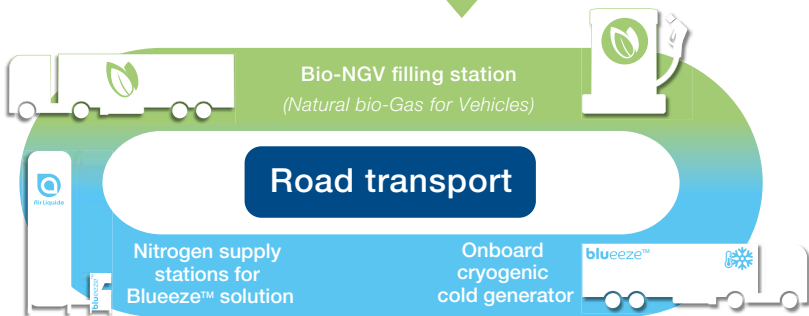
Committed to clean transportation, Air Liquide proposes a Bio-NGV offer that is being implemented thanks to the rollout of multi-energy stations.

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



blueeze™, 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

50 biogas purification units worldwide

Nearly 60 Bio-NGV filling stations in Europe

10 multi-energy stations (CNG, LNG, liquide nitrogen)
already opened in France and the United Kingdom

100 hydrogen stations installed by the end 2017

The Air Liquide group

World leader in gases, technologies and services
for Industry and Health

Approximately 65,000 employees

Present in 80 countries

More than 3 million customers and patients

2016 Revenue: €18.1 billion

Contact

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 **Air Liquide**
creative oxygen