

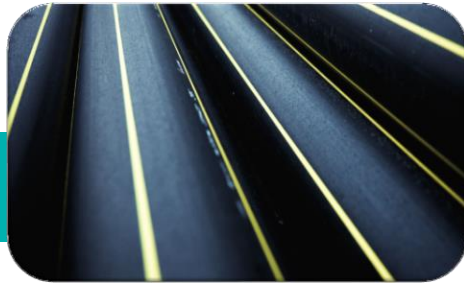
# In the Fast Lane with Biomethane in Transport – focus on France

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# GRDF, main French natural gas distribution operator



**200,000 km**  
of network



**11 million**  
delivery points in France



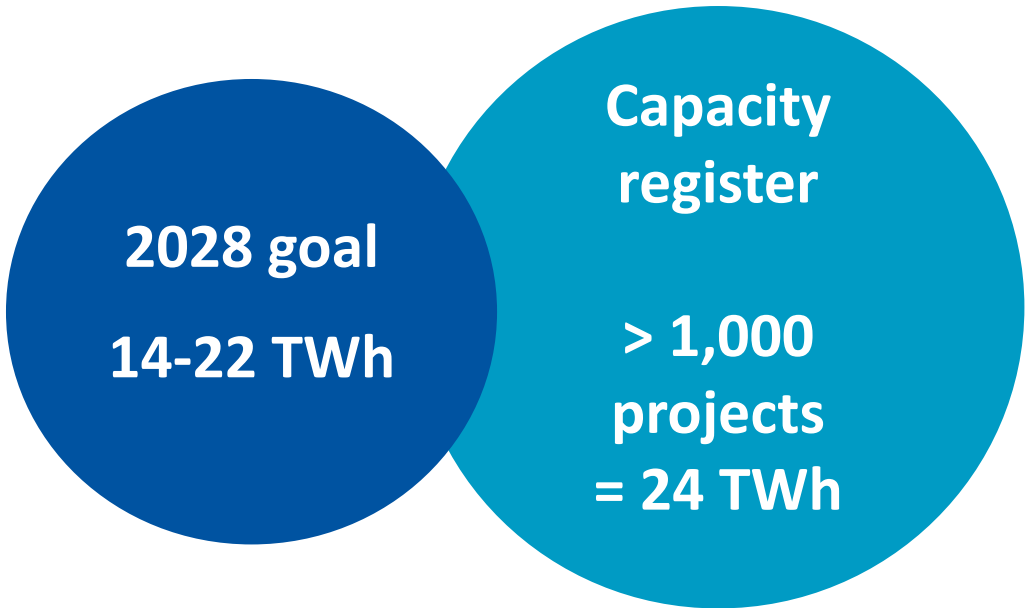
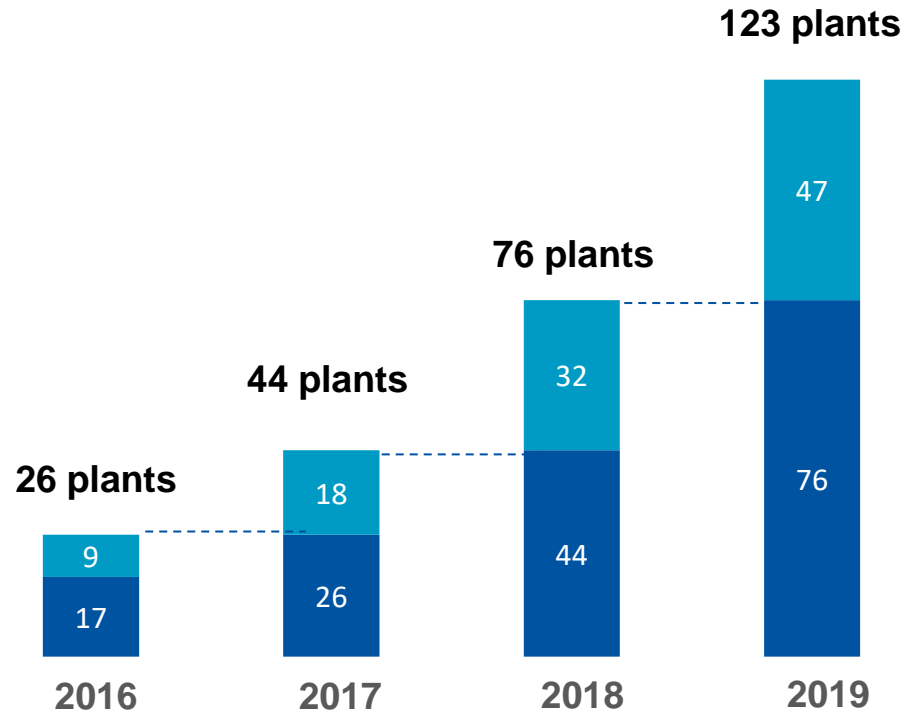
**A grid operator**  
committed to the development of  
biomethane and bioNGV

# » Increasing biomethane production

145

**Biomethane sites injecting in the French gas grid today**  
Total capacity of 2.6 TWh/year

**1 new biomethane plant per week**



Source: [open data](#)

Source: Multi-Annual Energy Planning Scheme

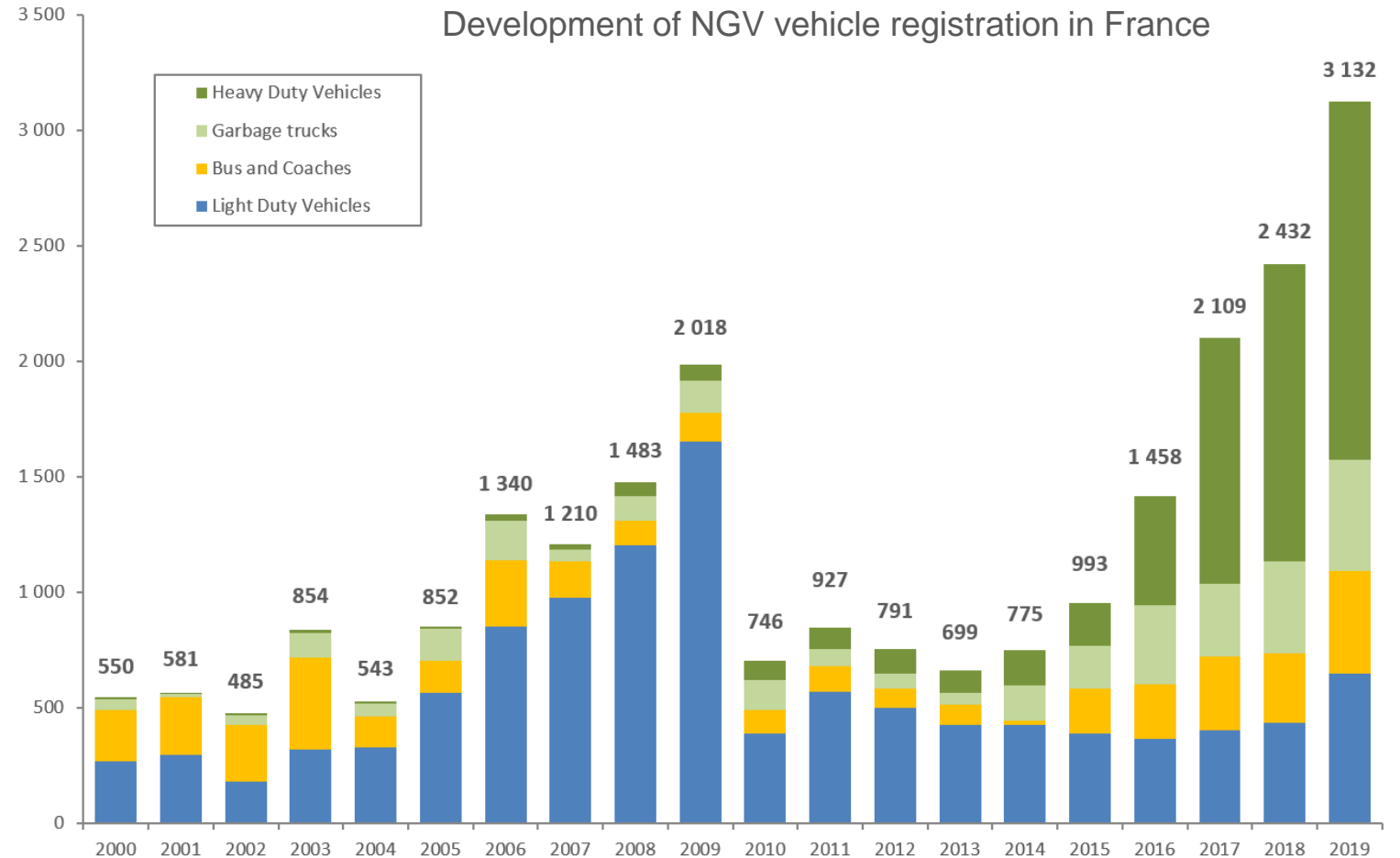
# » CNG/bioCNG development in France

## A market driven by Heavy Duty Vehicles

**22,000**  
NG vehicles in France, half of them are Heavy Duty

**12 %**  
of city buses are running on CNG  
(3,500 buses)

**10 %**  
of garbage trucks running on CNG  
(2,000 trucks)



# » CNG/bioCNG development in France

## Refuelling infrastructure:

150 public stations  
today (CNG + LNG)



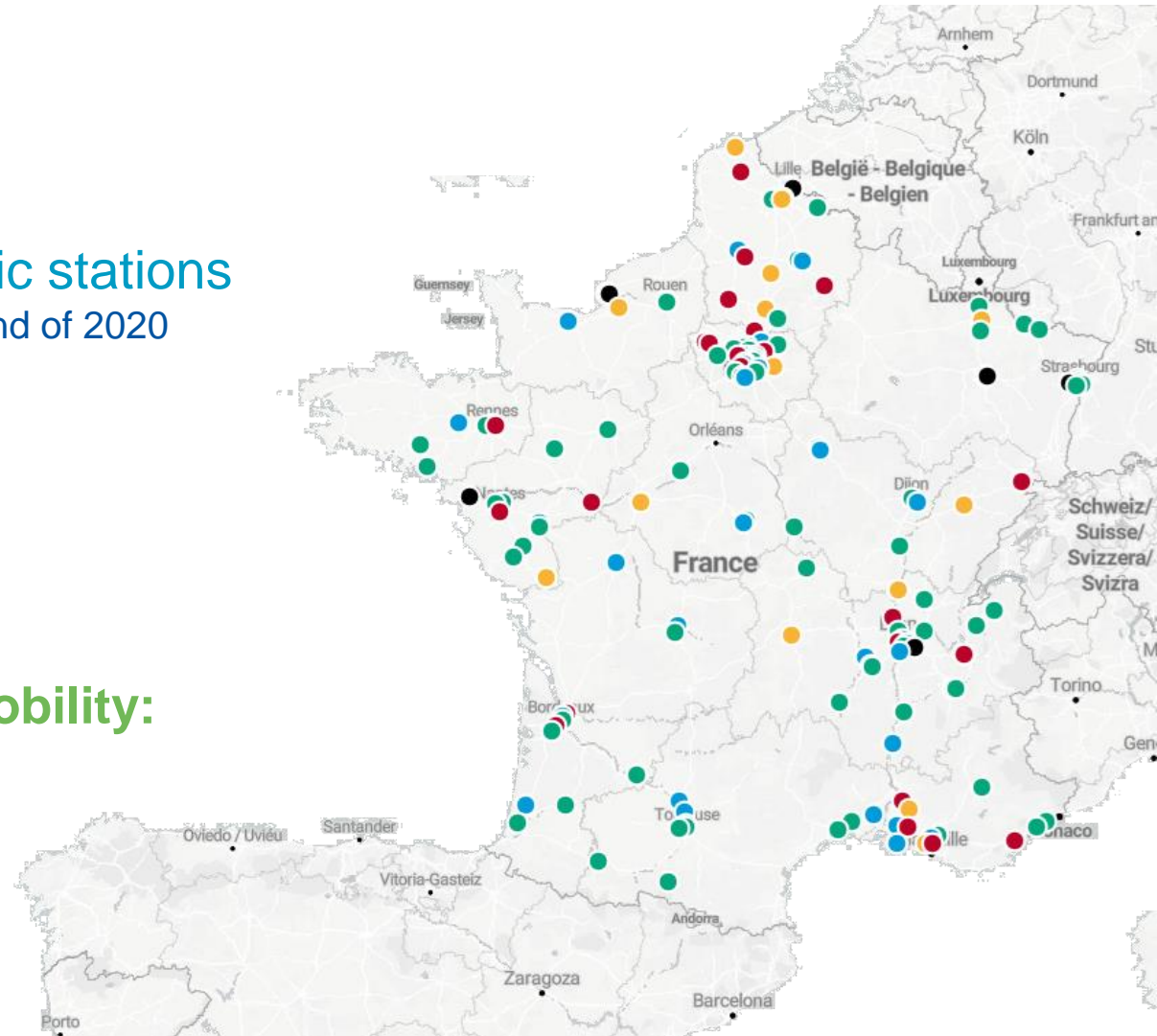
250 public stations  
by the end of 2020

+

200 private stations  
for captive fleets

## A growing share of biomethane in mobility:

Biomethane share in CNG  
17%  
(250 GWh)



Official map :  
[https://gvn-grtgaz.opendatasoft.com/pages/dashboard\\_v3/](https://gvn-grtgaz.opendatasoft.com/pages/dashboard_v3/)

# » Tools put in place by GRDF

## Information and simulations available online

Navigation menu: Vous êtes sur: Portail GRDF, Aide, contacts & urgences, English, A propos de GRDF, Notre rôle dans la transition écologique, Notre actualité, Pourquoi nous rejoindre?, Recherche, Mon espace.

Featured article: 02/02 **Le GNV, une référence pour des transporteurs et collectivités**. Le GNV, ils y sont passés ! Découvrez les témoignages des entreprises et collectivités ayant fait le choix du GNV et du BioGNV.

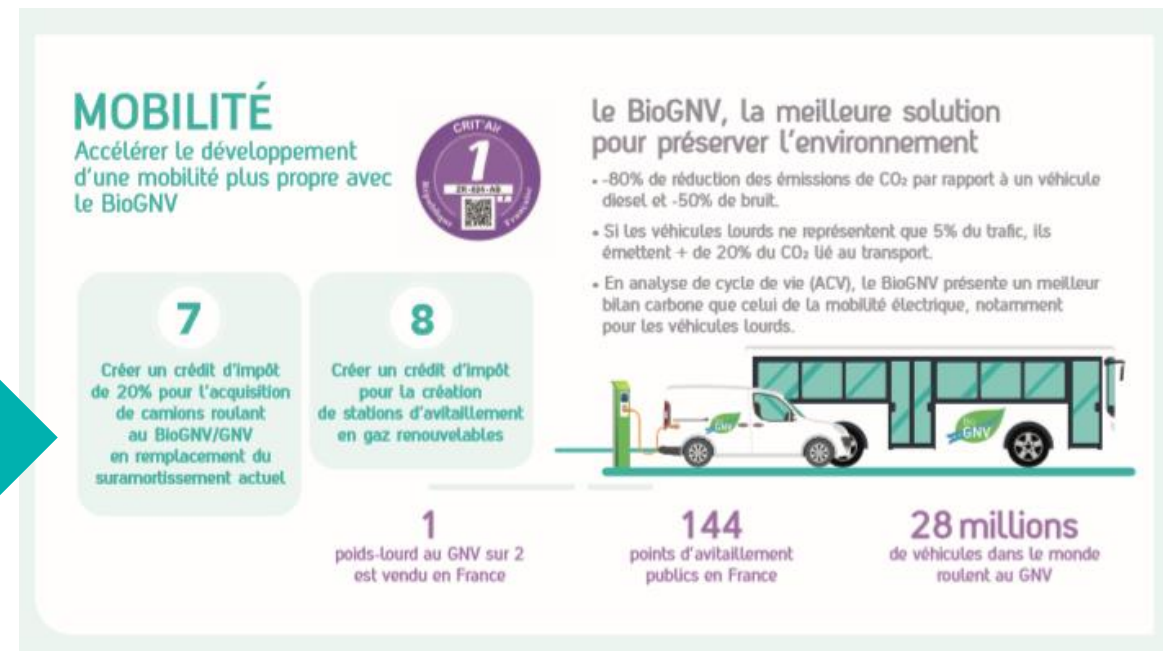
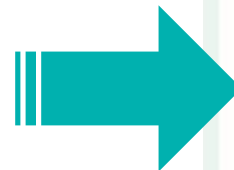
Tools available:

- Financial support → Les aides financières
- TCO simulator → TCO GNV
- Vehicule directory → Catalogue des véhicules
- Refueling station design → Dimensionnement de stations
- List of contacts: providers/suppliers → Carte des stations
- Annuaire de la filière
- Contact

## » Some elements of conclusion (1/2)

- In Europe, **diesel and gasoline** represents more than **95%** of the buses, **96%** of light vehicles and **99%** of the heavy-duty vehicles on the road today. Diesel and gasoline market share in the new vehicle registrations in 2019 was still **85%** for buses and **98%** for HDV with NGV taking some shares (6% and 2% respectively).
- **(Bio)NGV is an already available and affordable solution** to effectively reduce diesel/gasoline market shares. Gas mobility is part of the solution to exit oil and build a sustainable mobility.
- The BioNGV industry is mainly based on **European supply chain and technologies**

GRDF made 9 proposal for a concrete and effective Recovery Including BioNGV for mobility



## » Some elements of conclusion (2/2)

### How to unlock BioNGV's potential?

- Biomethane is developing well in France thanks to a **political commitment** associated to a **target** on production in the Law (10% in 2030)  
=> set **EU trajectory of gas decarbonization** / **Target for gas in transport (RED revision)**
  - BioNGV produces bio-CO<sub>2</sub> which has no direct global warming effect and a very little one in a Life Cycle Analysis approach:  
=> ensure an **effective technology neutrality** to decarbonize the transport sector
    - include special considerations for NGV vehicles in the **Clean Vehicle Directive** to ensure that renewable gas mobility is treated on equal footing,
    - include construction of NGV vehicles and use of biomethane for mobility in the **Taxonomy on sustainable finance**
    - **complete “tailpipe emissions” with a well-to-wheel approach** to better assess the effective carbon footprint of mobility,
    - **support BioNGV in the revision of the Alternative Fuels Infrastructure Directive** which requires Member States to invest in charging and refuelling infrastructures for these technologies.
- => EU should **support R&D for renewable gas** production and technology of gas mobility and support NGV/BioGNV experimentations on various sectors as railway and maritime





**Thank you for your attention**

**Contact details**

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