

Smoothport Project :

CNG station in Montoir  
Good Practices & Strategy

**Virginie Dias**

Port Authority of Nantes Saint-Nazaire

[v.dias@nantes.port.fr](mailto:v.dias@nantes.port.fr)



European Union  
European Regional  
Development Fund



## Supplying CNG & CN Bio-gas in NSN Port

Initiated by **Nantes Saint-Nazaire Port**, **SYDELA Energie 44** in partnership with **PROVIRIDIS** built a public distribution station of natural gas for vehicles in the port. The station will be operated by **Proviridis** under the **V GAS brand**.

**Financial partners** : This project initiated in 2018 benefits from financial aid from the Pays de la Loire Region and ADEME

**SEM SYDELA Énergie 44** is semi-public company, that develops and finances renewable energy production in Loire-Atlantique and the distribution of low-carbon fuels for sustainable mobility.

**Proviridis group** is a private group covering the entire value chain linked to the distribution of fuels and clean energies and operating a network of multi-energy public stations under the brand V-GAS

**ADEME** is a public structure dependent on the Ministry of Ecological Transition and the Ministry of Higher Education, Research and Innovation which supports public and private sectors in their evolution towards a more sustainable model.





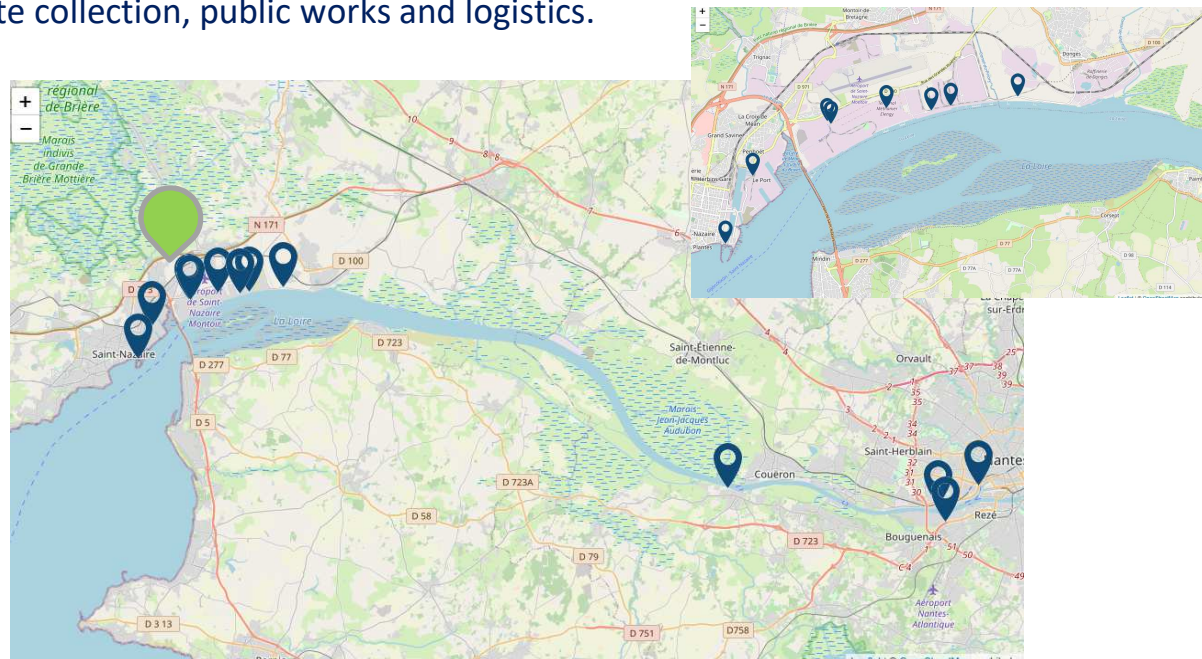
# Supplying CNG & CN Bio-gas in NSN Port

**Opening :** End of June, it will be inaugurated in September 2021.

**Location :** in Montoir de Bretagne, in the heart of the port area,



**Customers :** 500 light vehicles or 50 trucks per day. Heavy goods vehicles, light vehicles, public vehicles, passenger transport business, freight transport, waste collection, public works and logistics.

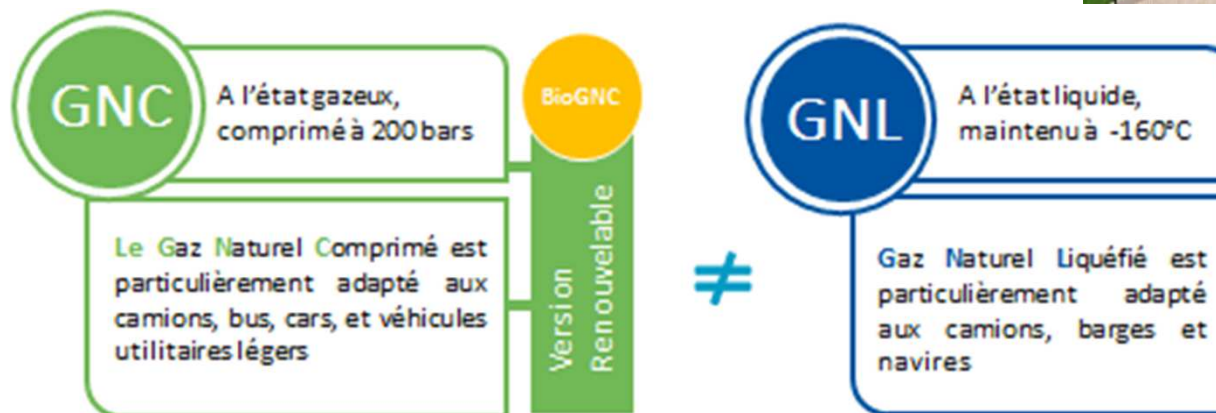




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It will distribute LNG, CNG and Bio-CNG from the methanization of organic waste.

The station will have **4 compressed gas supply tracks** equipped with NGV1 and NGV2 guns

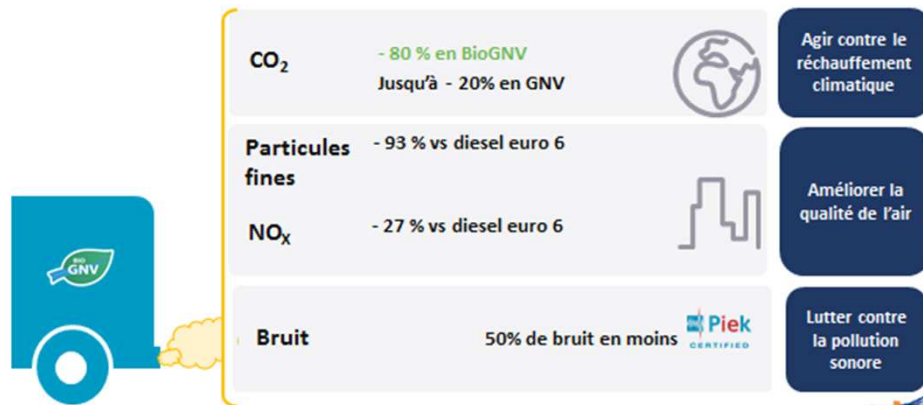




# Climate change advantages : Mitigation

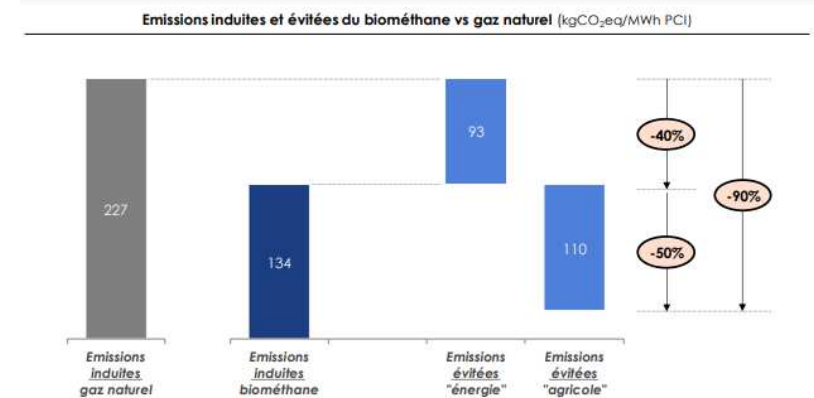
## CNG versus diesel euro 6:

- CO<sub>2</sub> -20%
- Fine particles – 93%
- Nox – 27%
- Noise – 50%



## Bio CNG versus CNG : -90% CO<sub>2</sub>eq emissions

- Less 40% Energy emissions linked to extraction and the combustion of natural gas
- Less 50% from Agricultural emissions by avoiding emissions released by stored inputs usually outdoors



Notes : le calcul des 134 kgCO<sub>2</sub>eq/MWh provient des émissions induites par chaque type d'installation via la publication GRDF de 2015, proratisées au volume de production de chaque type d'installation en 2018.  
Sources : ADEME, GRDF, Analyses C4





## Supplying CNG & CN Bio-gas in NSN Port

This project takes part in **the strategy of the port of Nantes Saint-Nazaire** consisting of making the port part of the **global dynamic** and structuring the strategic approach around the two aspects of the **Paris Agreement**:

- Mitigation of the environmental footprint
- Adaptation of its economic model as well as its infrastructures to potential climatic turbulences

These two objectives are based on two levers:

- **build a sustainable service offer for port customers** and **place the port in an exemplary nature of its practices**



# NANTES SAINT-NAZAIRE PORT

BE  
MY  
PORT

Nantes-Donges-Mantoir-Saint-Nazaire



ISO 9001



ISO 14001\*  
+ LABEL ECOPORTS



OHSAS 18001

