

**Interreg**   
EUROPEAN UNION  
**North-West Europe**  
**Hector**

European Regional Development Fund

# HECTOR Project

‘Hydrogen waste collection vehicles in North West Europe’



# Project Conclusions

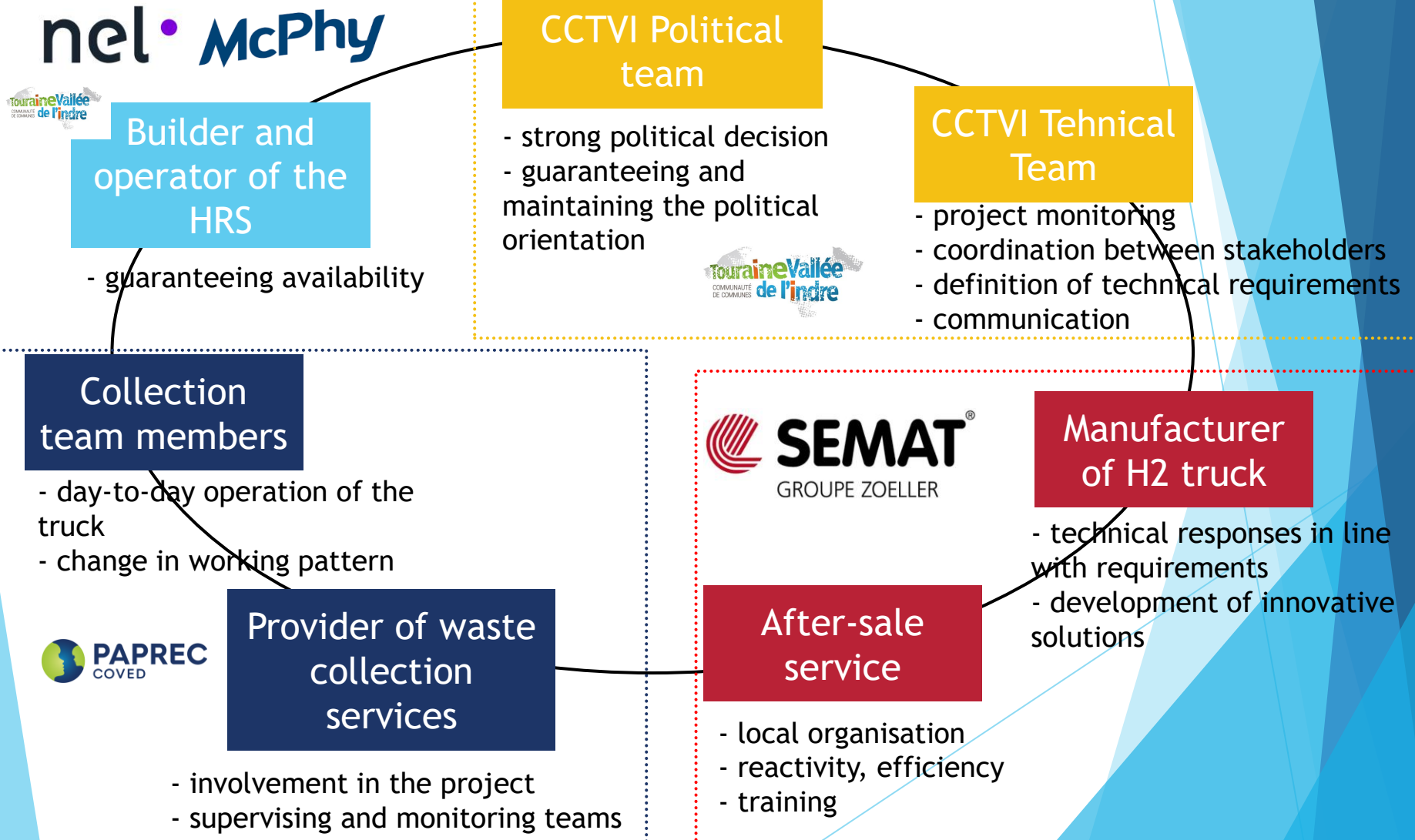
*What did HECTOR achieve*

Prove that another collection solution is possible for our regions and that this investment has made it possible to :

- Helping to structure a hydrogen strategic focus area in Touraine
- Provide feedback to help other local authorities consider the feasibility of deploying a hydrogen garbage truck
- help manufacturers to test their equipment
- Improve working conditions for collection team members
- Helping to reduce inconvenience (noise, air quality) for local residents

# Project Conclusions

*What special skills or resources were brought to successfully complete the project?*



# Operational Experiences/ Lessons Learned

*Positives, Issues, barriers*

At the beginning of the project, **manufacturer are not ready for this experimentation :**

- a technology that is not mature
- an unstructured after-sales service (lack of familiarity with the equipment, inability to diagnose faults)

⇒ 2022 : experimenting with a beta version of the truck was essential to structure the SEMAT offer

## **The essential step: training**

- For drivers : Handling of the equipment, eco-driving
- For the garbageman : optimize compaction

# Operational Experiences/ Lessons Learned

*Positives, Issues, barriers*

Another issue : **the network of HRS and their availability**

⇒ Given the public service at stake, we cannot miss collections. Thus the CCTVI made the choice to keep equipment test (a termic truck) in case of problem

**Since July 2023 :**

- the truck collects 3 days out of 5
- We have a complete maintenance contract that covers all the interventions for the next 4 years



# Collaboration with Partners and Emerged Relationships

*How was collaboration with other partners in the project and what relationships have emerged beyond the project?*

## Collaboration with other partners in the project :

- allows to be located in the project
- partager les réussites et les échecs, on se sent moins seuls dans l'adversité et on garde espoir

## Relationships have emerged :

- several communities have contacted us for feedback and to take the plunge
- this project made us known and allowed us to join another European consortium : **COSMHYC DEMO**

**COSMHYC DEMO**  
INNOVATIVE H2 COMPRESSION



Co-funded by  
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# Comms

## Seminar

Feedback in several seminars in France to make known the project and the territory.

- ⇒ Promotion of hydrogen mobility
- ⇒ Targets : professional

## Trade Fair

Making hydrogen technology known to a wider audience

## Launch Event -6th June 2023

For stakeholders and professionals



# The Future for your HECTOR Truck

**Main objective for this truck :** use it to the full, meaning 5 days a week

**The next stage :** Strengthen the hydrogen ecosystem. The **Hy'Touraine** project is looking to expand, with the Tours metropolitan authority looking to acquire **6 to 8 trucks** based on CCTVI experience with the HECTOR project.

**To conclude :** the hector project marks the beginning of a wider deployment phase in Touraine.

The truck is seen as a tool for **decarbonizing the public garbage collection service**, and the analyses carried out as part of this project will be of great help.



8

