

HECTOR Project

‘Hydrogen waste collection vehicles in North West Europe’



HEAVENN



Project Conclusions

- *What did HECTOR achieve*
- *What special skills or resources were brought to successfully complete the project?*

- We updated our depot, we can now safely store our hydrogen vehicles
- We needed a lot of patience and skills to adapt

Operational Experiences

Positives, Issues, barriers

- **We have over 21 hydrogen vehicles running at the Groningen municipality**
 - Hydrogen technology is not yet mature. Expect trail and error
 - Working with hydrogen requires a change in mindset and is also a management issue
 - Management of expectation for drivers and mechanics
 - Infrastructure in place: filling station, storage facility, buffer container, depot

Lessons Learned

- Hydrogen is innovation, it is not a common practice yet
- Manufactures are also learning on the job
- Management of expectations is necessary
- Skills development for mechanics and drivers is very important

Collaboration with Partners and Emerged Relationships

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

- We are participating in various hydrogen projects. We have worked on a hydrogen network.
- This makes it easier to connect with others to discuss challenges

Comms

- Any events to publicise the trucks (launches / outreach to general public)?
- Any complementary activities carried out during the project?
- Episode on national TV for Hector!
- Various presentations
- Various visits



The Future for your HECTOR Truck

- *What is your main focus over the next few months / years?*
- *Given your experience would you consider purchasing other h2 trucks?*
- Getting all trucks up and running
- Invest in training for internal staff
- We will look into hybrid forms of mobility: a combination of hydrogen, electric etc.

