

# CLUSTER "PLATFORM POWER TO GAS"



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INNOVEREN &  
ONDERNEMEN



POWERTOGAS  
Industry Cluster Flanders

Samen voor sterk innoveren



Polders Investeringsfonds nv  
Antwerpse duurzame investeringsmaatschappij



# AGENDA



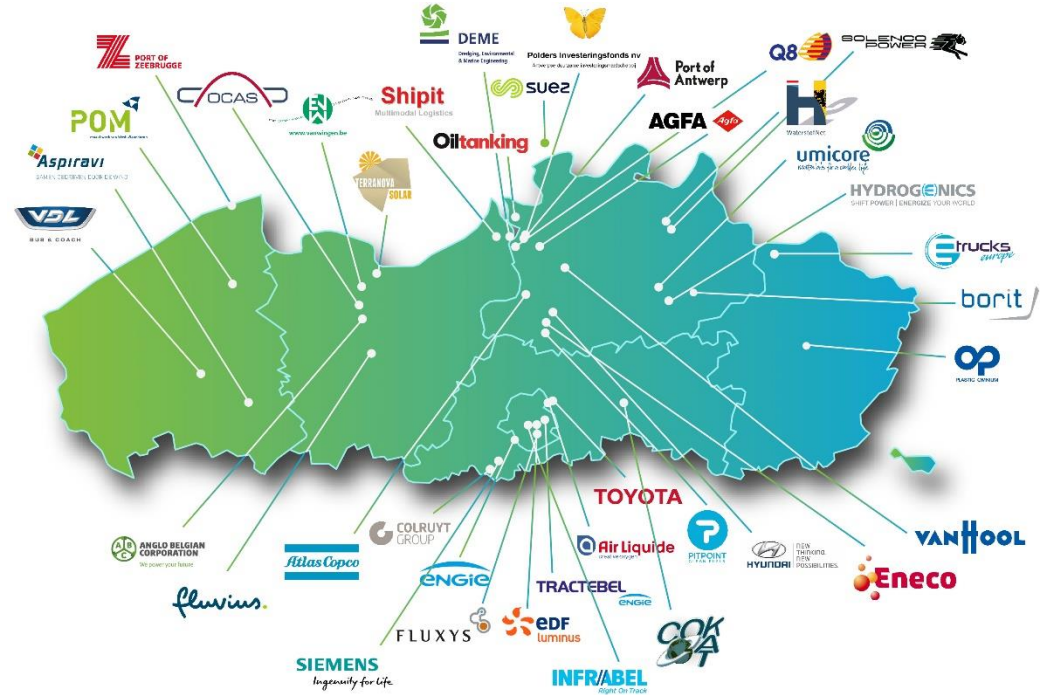
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<b>10.00</b>	Welcome and introduction of the participants
<b>10.15</b>	Didier van Osselaer- Port of Antwerp: Vision and roadmap for hydrogen in the port of Antwerp
<b>10.35</b>	Jorgo Chatzimarkakis - Hydrogen Europe: Hydrogen in Europe – what to expect.
<b>11.00</b>	Danielle Devogelaer – Federaal Planbureau Hydrogen on the rise again: Insights in a clean energy future for Belgium
<b>11.30</b>	Cluster news and intro of new members
<b>12.00</b>	Sandwich lunch
<b>12.45</b>	Visit of the Energy Observer and Hydroville

- Projects running/in development
- New project ideas
- Legislation-advocacy activities
- Events
- New members presentation



# PROJECTS STARTED/IN DEVELOPMENT\*



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- **Greenports** (Engie, Colruyt, MBZ, Hydrogenics)
  - ❑ Study: long term power-to-gas options @ Zeebrugge
- **Terranova SOLAR Zelzate** (Terranova Solar, EDF Luminus..)
  - ❑ PV + wind => H2 for industry and transport
- **ISHY** (Port of Ostend, GEOxyz, Parkwind, WN..)
  - ❑ H2 in ships
  - ❑ BE, NL, UK



(\* non-exhaustive list)

- **GENK Ford site** (Tractebel)
  - ❑ Wind => H2 for industry and transport
- **Izegem / Roeselare** (POM West-Vlaanderen)
  - ❑ Wind, waste? => H2 for heavy duty
- **East/West Flanders** (POM W-FL)
  - ❑ H2 mobility infrastructure (EU, interreg 2Z)
- **Antwerp** (Polders Investeringsfonds)
  - ❑ Wind => H2 for agricultural vehicles (EU, Interreg 2Z)



- HYFLOW

- Study

- Hydrogen corridor in NL-FL; physical connection Eemshaven – Zeebrugge
- Energy from offshore wind parks
- Existing pipelines
- Connecting all Seaports

- Important projects of Common European Interest (IPCEI)

- 6 Strategic Value Chains -> “Hydrogen Technologies and Systems”
- ‘Strategic forum’ set up by EC (April-May) to develop recommendations for actions
- First workshop for H2 in April, with 40 experts in EU (participation WN)



- With VIL (Flemish Logistics cluster):
  - Shared Hydrogen Refuelling Equipment for Industrial Areas
  - Concept study with demonstration
  - Interested candidates?
- With Flux50/Cogen Flanders
  - CHP with varying H<sub>2</sub>/CH<sub>4</sub> ratio
- De Lijn
  - Bus-depot with 20 buses on H<sub>2</sub>
- Leasing Company
  - Include H<sub>2</sub> cars?





- Colruyt installation one of the 4 demo projects in phase II
- GoO platform installed by CertifHy consortium (Grexl)
- CertifHy phase III to be started => implementation in MS
- Flanders: legislative framework for GoO for green gas nearly in place

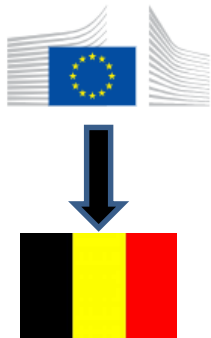


- Project finalised; all info on [www.hylaw.eu](http://www.hylaw.eu)
- Conclusions discussed at ENOVER and BENELUX level
- Cooperation on BENELUX level on HRS permitting procedure and H2-> gas infrastructure legislative framework



HyLAW Online Database





- **REDII implementation in Belgium** (policy paper)
  - Final version available for further distribution
  - Draft version discussed with ENOVER energy group
  - To be discussed in dedicated ENOVER WG on REDII implementation
  
- **Memorandum on hydrogen** from the cluster
  - Input for the new Cabinet of Energy ('algemene Directie Energie'; FOD economy)
  - To be ready in May/June 2019
  - WN will make proposal



- Info-sessions '**Driving on Hydrogen**'
  - Last session on **April 3** in Zaventem  
Registering still possible
- Workshop (**heavy duty**) **H2 mobility** Roeselare **June 13**
- Next **clustermeeting** **June 19** @ Van Hool
- **WaterstofRegio conference** **November, 7**  
@ Den Bosch, Provinciehuis



- New cluster partners :



Short presentation today

INFRABEL  
Right On Track

Eneco

VANHOOL