



## Power to Gas cluster

### Minutes meeting 29/03/2017 in Mechelen (Colruyt)

**Present:** Marcel Meeus (Umicore), Noel D'hondt (Terranova), Adwin Martens - Isabel François (WaterstofNet), Mathieu Zweerts (Fluxys), Ben Cornelis (E-trucks), André Jurrens (NPG), Didier Van Osselaer (PoA), Jan Winters (Polders Investeringsfonds), Jonas Cautaeerts (Colruyt Group), Despoina Chatzikyriakou (TME), Hans Vandersyppe (Engie), Dirk Desnoeck (Timmerman), Brecht Vanhecke (POM).

#### **Agenda:**

- 10.00 Introduction and Presentation new cluster members  
(Timmerman – Engie – POM West-Vlaanderen, new member Port of Zeebrugge will present itself next time)
- 10.20 Learnings visit Energy Park Mainz
- 10.30 Status project teams/ideas
- 11.00 FCH-JU call and other running project initiatives with cluster partners involved
- 11.10 Feedback from discussions WaterstofNet with Cabinet Muylers-Tommelein etc..
- 11.30 Communication: make better use of PtG website?; brochure for the cluster?...
- 11.40 Comments-news - opportunities from the partners (tour de table)
- 12.00 End of the meeting and sandwich lunch

#### **Presentations:**



Power to gas  
general meeting Ma

#### **Discussions during the meeting:**

- Discussion triggered by learnings Energy Park Mainz visit:
  - Interesting visit with open discussions, appreciated by participants of power to gas cluster
  - pity that the project of Energy Park Mainz now exists based on “goodwill” or “special conditions” (exemption on grid fees for Linde); a sound business case is not there
  - More political support is needed for hydrogen => adapt legislation in favour of H2 and other storage technologies (e.g. adapt grid fees for hydrogen production functioning as energy storage).
  - Green gas certification and valorisation => learn from and team up with biogas sector



- Off-shore power to gas:
  - Should we not involve knowledge institutes to come to a vision document?
  - Contact Shell + TU-Delft (Ad Van Wijk) by WaterstofNet ?
  - Involve Philippe de Backer (State Secretary of the North Sea)?
- Feedback from discussions with federal government:
  - Federal government (FOD economy) will provide an annual budget of 15-20 M€ for energy demonstration projects (budget available from nuclear rent). How to apply for this is to be determined. (Question: can Engie apply for this, given the origin of the budget..?)
  - Timeline not clear, but could be a funding opportunity in the future for offshore wind and hydrogen
- Based upon discussion following needs have been defined:
  - Global picture of power to gas for Flanders with “speaking” facts/figures (e.g. buses, cars, offshore wind,...)
  - Discussion with Flemish government on grid fees, that are very important on the economic feasibility
  - WaterstofNet is in discussion with Flemish government (cabinet Tommelein, Jochen De Smet) on hydrogen plan for Flanders and grid fees
- Participation of cluster members in consortia for FCH-JU call:
  - Demonstration of FC material handling and industrial vehicles => Colruyt with a limited number of forklifts; Toyota interested
  - Large scale demonstration of Hydrogen Refuelling Stations and Fuel Cell Electric Vehicle (FCEV) road vehicles operated in fleet(s) => Toyota in supportive role
  - Validation of Fuel Cell Trucks for the Collect of Urban Wastes => E-trucks will be involved
  - Highly flexible electrolyzers balancing the energy output inside the fence of a wind park => possible consortium with Colruyt and Hydrogenics has been discussed, but requirements of the call were too severe
  - Demonstration of large electrolyzers (10MW) for bulk renewable hydrogen production => consortium with Engie, Hydrogenics and Port of Antwerp did not come to timely approved proposal by industrial partner

#### **Actions:**

- **WaterstofNet:** Make appointment with Shell/TNO and off-shore team
- **WaterstofNet:** Send consortium contact data for material handling topic in FCH-JU to Toyota
- **WaterstofNet:** contacts with cabinet Tommelein on global vision and grid fees