



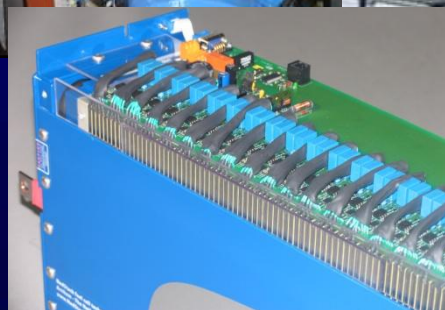
Hydrogen (transport) projects in Flanders-South Netherlands

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Strong points of the region

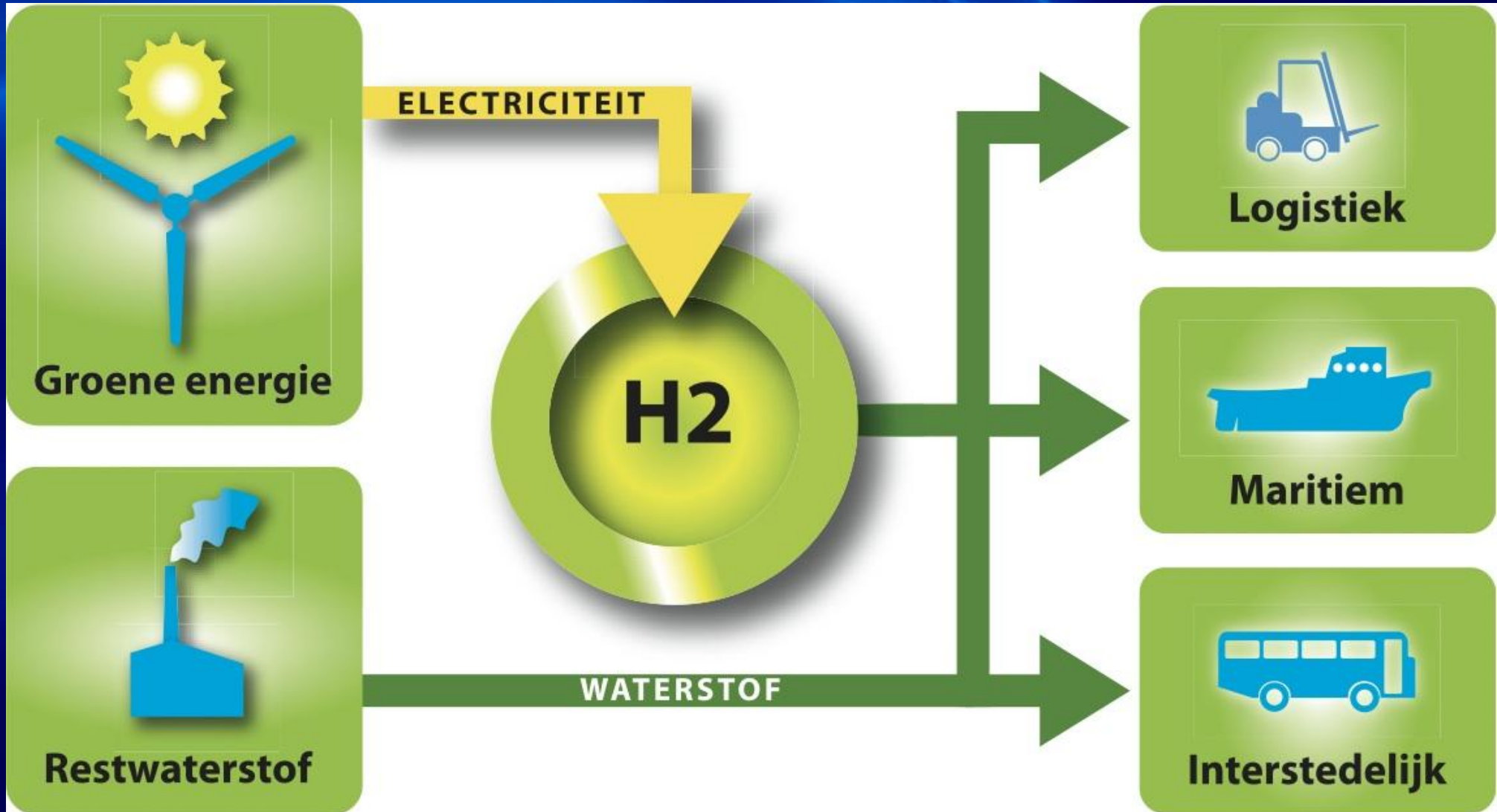


Starting points



- Target:
 - From “uncoordinated in the region” towards “focussed to the top of Europa”
- Starting points:
 - **Sustainable hydrogen (no fossil fuels)**
 - Early markets
 - Maximal involvement of regional players in line with Europe
 - Overall chain: from production to end-use
 - Concrete, visible results within 3 years
 - Start of training program
 - Coördination by program office WaterstofNet

Concept





- Period: 1/6/2009 - 31/5/2012
- Budget: 14,1 Meuro (Flanders, Netherlands, Interreg, industry)
- Results:
 - Mobile hydrogen tank stations
 - 1 MW power plant on by-product hydrogen
 - Hydrogen production via photo-elektrolysis (1 m²)
 - Roll-out scenario for hydrogen infrastructure
 - Logistic applications on hydrogen
 - Maritime applications on hydrogen
 - Intercity transport applications on hydrogen
 - Education/training program



Transport applications

- Early market transport applications:
 - Less chicken/egg issue
 - Public transport (buses)
 - Van Hool exporting 16 fuel cell buses to US
 - Logistic (fork lifts, trucks,...)
 - 100”s forklifts in US, first truck in NL,...
 - Maritime applications (vessels, yachts,...)



Status

- 1 MW fuel cell test facility on fuel cells at Solvay
- Hydrogen fuel station in Flanders
- Maritime applications in procurement phase
- Logistic: starting procurement october
- Intercity: starting procuremet october

Cooperation ?



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