

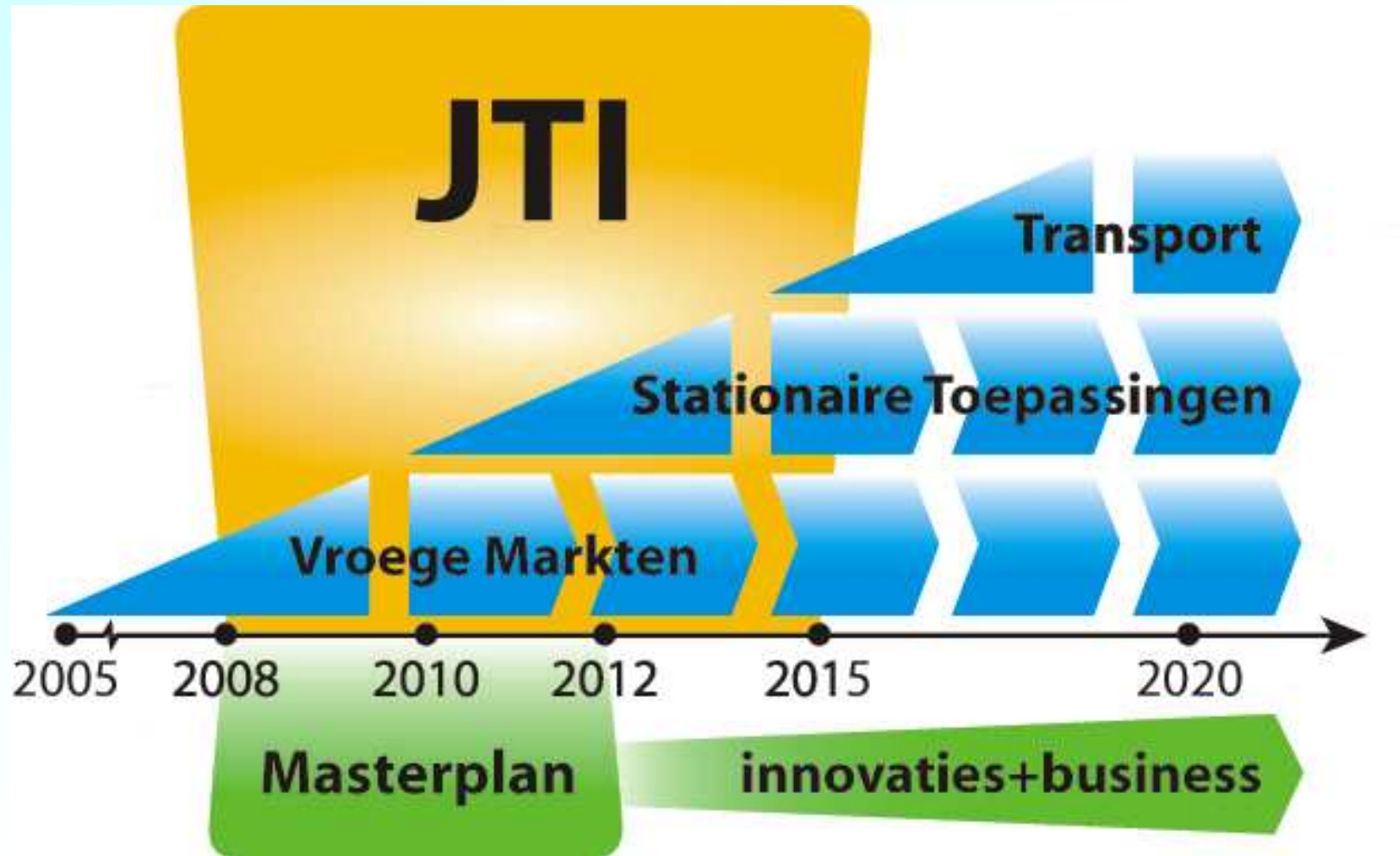
Hydrogen region Flanders-South-Netherlands

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WaterstofNet vzw
Turnhout (B)

Brussels, 2 december 2009



Plan for Europe



Realisations in the regio



Starting points for regional plan

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

Masterplan: (possible) players



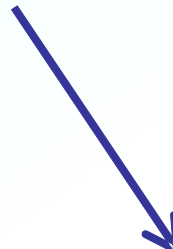
Hydrogen production



Green
elektricity



elektrolysis



Demonstration



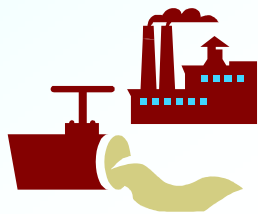
Sun



direct



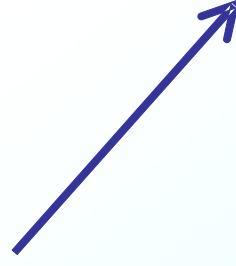
Innovation



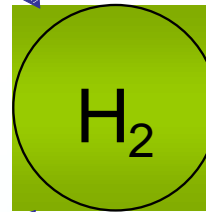
By -H₂



quality



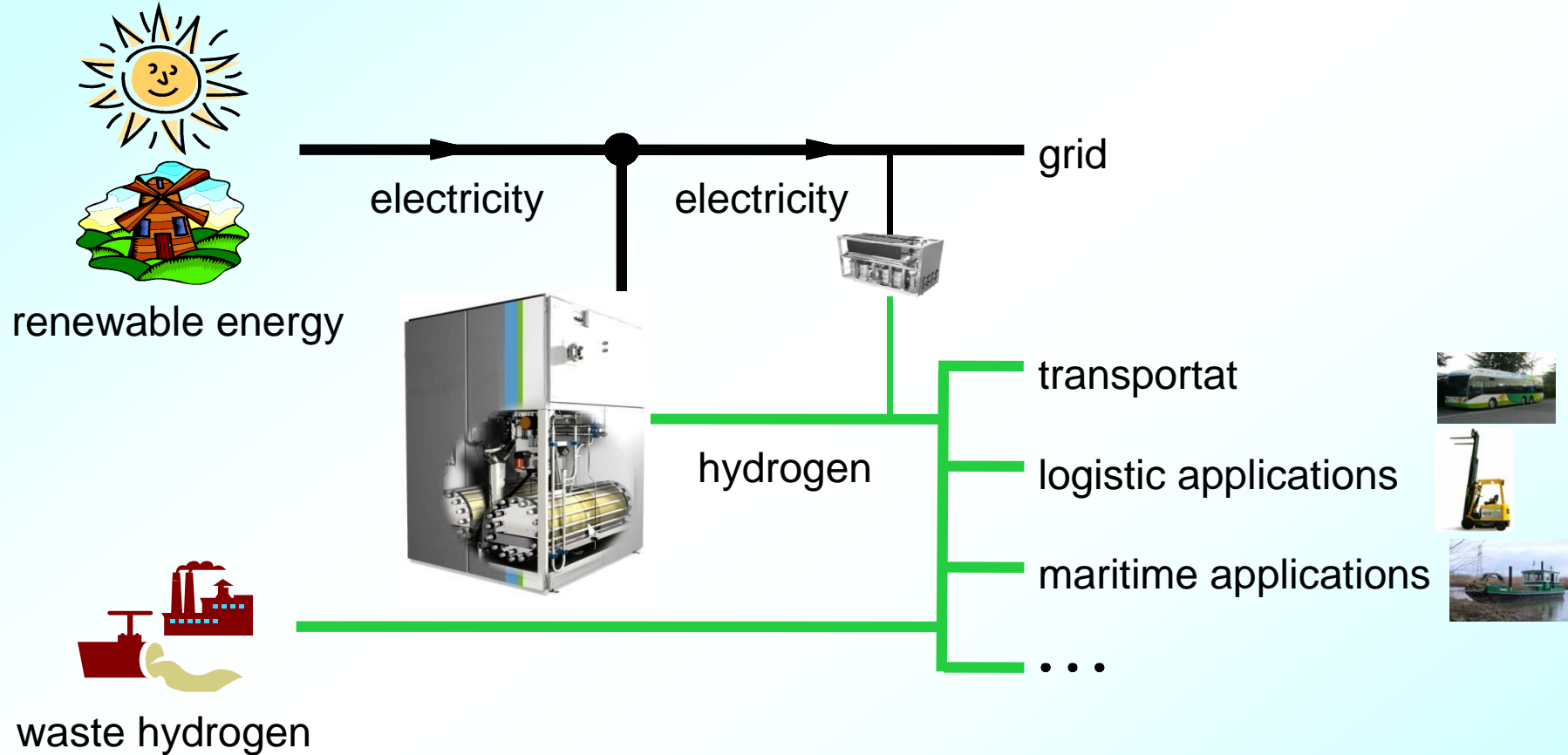
Demonstration



Early markets

- Electricity production : by-product
- Intercity transport : e.g. bus
- Maritime : e.g. vessels
- Logistics : e.g. forklift

Summary projects



Region Flanders-South-Netherlands

- 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 waste-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
 - Coordination by WaterstofNet vzw

Joint actions for Europe

- Regional plan will be kept in line with European targets
- WaterstofNet is member of HyRaMP
- Flemish network on hydrogen and fuel cells is member of EHA

*A lot of opportunities for joining forces
within Europe....*

and we are ready to contribute

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