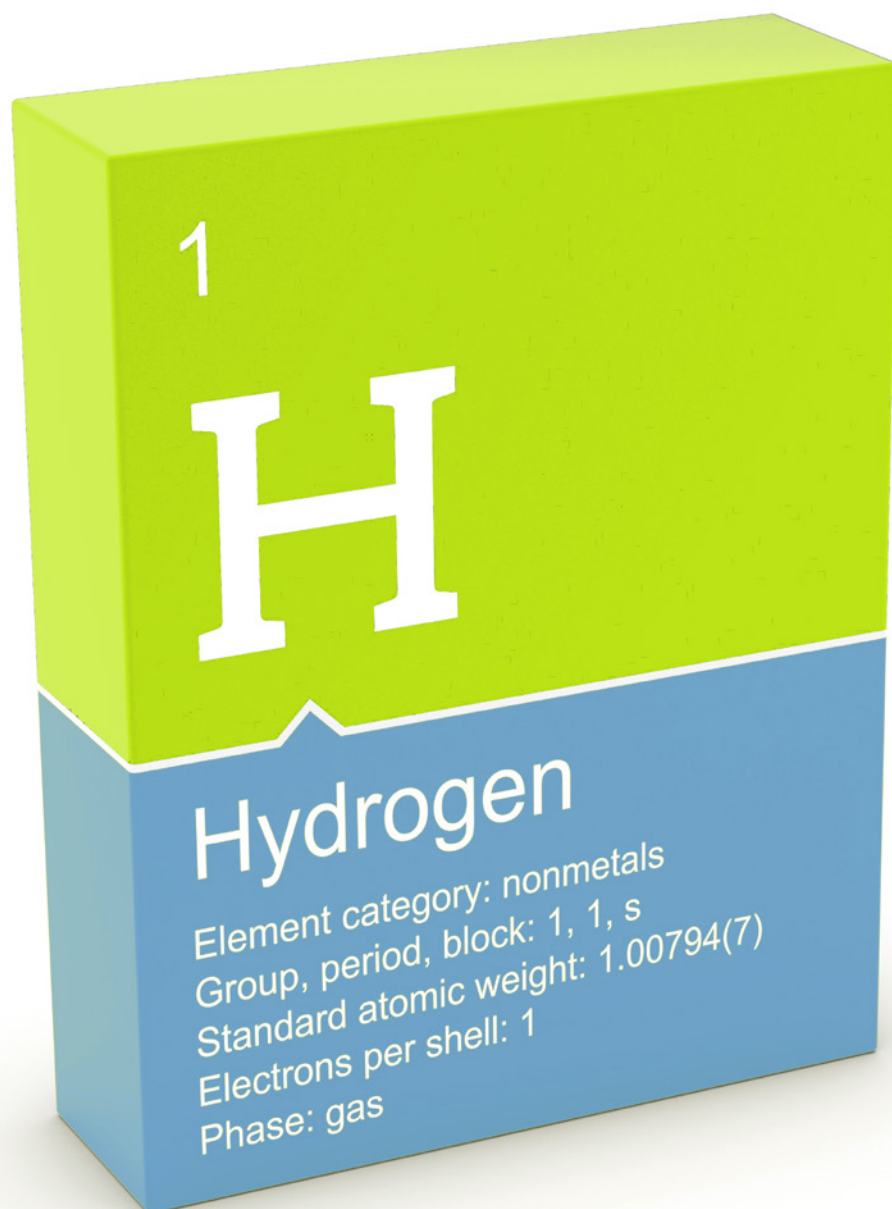


HYDROGEN TECHNOLOGY APPLICATIONS FOR INDUSTRY

A BELGIAN PERSPECTIVE

INVITATION

Palais des Académies



► 24.03.2014



Objectives

In the framework of the EU2020 growth strategy, the EU has set ambitious goals with the aim of making the European economy smarter, more sustainable and more inclusive. Sustainable production and consumption, and an increased use of key enabling technologies are essential to achieve these goals.

The long-term Federal strategic vision of sustainable development, adopted by the Federal Government on 17 May 2013, noted four major challenges. One of these challenges is to ensure a resilient society, which adapts its economy to economic, social and environmental challenges. In order to meet this particular challenge, objectives have been set that concentrate on patterns of consumption and production, energy, mobility and transport.

Hydrogen technology applications have the potential to contribute to the realisation of these objectives by reducing carbon dioxide emissions, decreasing the dependence on fossil fuels and creating more growth and employment.

Facilitating the economic transition to a more competitive and sustainable economy is an important mission of the Federal Public Service of Economy as well. In this context, this conference will bring together industrial, academic and other key players from Flanders, Brussels, Wallonia and abroad, with a view to sharing experiences and enhancing cooperation between them.



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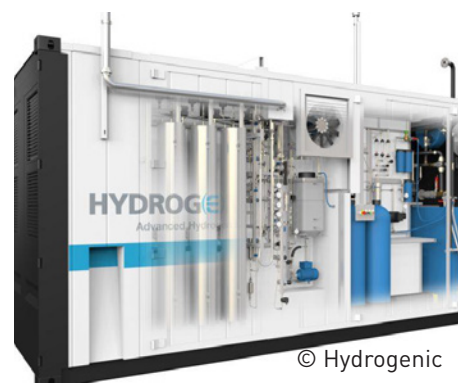
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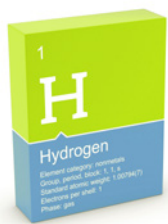
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Programme

9:00 – 9:15 Welcome and Introduction

Jean-Marc Delporte, President of the Federal Public Service of Economy, SMEs, Self-employed and Energy

9:15 – 11:15 Situation “AS IS” in the Industry

Special guest: J-M Solvay, President International Solvay Institutes for Physics and Chemistry

Introduction: Mr Martens, Director “WaterstofNet”

Presentations by the Belgian industrial players

- Air Liquide Benelux Industries
Ch. Nachtergaele, Director Public Affairs Belgium
- Hydrogenics
F. Smeets, General Manager On-Site Generation
- Solvay
P. Françoisse, Sustainable Energy Manager,
Advanced Innovation Office, Solvay R&D
- Umicore
M. Meeus, Energy Storage Technology Consultant for Umicore
- Van Hool
P. Jenné, Transit Bus Project Manager
- Colruyt
S. Windels, Business Unit Manager WE Power

Conclusion: B. De Colvenaer, Executive Director Fuel Cells and Hydrogen – Joint Undertaking (FCH-JU) (European Commission)

11:15 Coffee break



11:30 – 13:30 Research and Development

Introduction: Ph. Mettens, President of the Federal Public Planning Service Science Policy “Belspo”

Presentations by Research Centres

- ULG, Dr. Ir./Prof N. Job, Department of Applied Chemistry, Nanomaterials, Catalysis, Electrochemistry
- ULB, Prof P. Hendrick, Dept. Aéro-Thermo-Mécanique
- UCL, Prof. J. Proost, Ecole polytechnique de Louvain, Institute of Mechanics, Materials and Civil Engineering (iMMC), Materials and process engineering (IMAP)
- UGent, Prof. S. Verhelst, Dept. Internal Combustion Engines
- IMEC, J. Poortmans, Scientific Program Director PV

Conclusion: Ph Mettens, President of the Federal Public Planning Service Science Policy “Belspo”

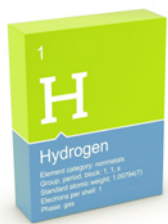
13:30 – 14:30 Lunch

14:30 – 15:35 Future Perspectives and Needs

Case studies:

- GIMV: Investor in innovation - McPhy, P. Egot, Principal at GIMV
- McPhy: technology for hydrogen storage in solid form, L. Demiddeleer, Chairman of the McPhy Corporate Presentation Energy Supervisory Board
- The 2050 strategy of Denmark – An example to follow for Belgium, A. Mortensgaard, Managing Director for the Danish Partnership for Hydrogen and Fuel Cells
- International Energy Agency (IEA): Advanced Fuel Cells, B. Ridell, Swedish Representative in the IEA Advanced Fuel Cells Executive Committee

15:35 – 15:50 Coffee break



15:50 – 16:30 Discussion panel

Moderator: Luc Pauwels, Journalist

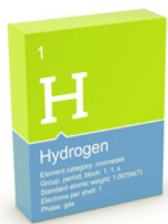
Participating:

- Mr Delporte,
President of the Federal Public Service of Economy of Belgium
- Mr Mettens,
President of the Federal Public Planning Service Science Policy “Belspo”
- Mr Solvay,
President International Solvay Institutes for Physics and Chemistry
- Mr Demiddeleer,
Chairman of the Mc Phy Energy Supervisory Board
- Mr Smeets,
General Manager On-Site Generation Hydrogenics
- Mr De Colvenaer,
Executive Director FCH-JU
- Mr Mortensgaard,
Managing Director for the Danish Partnership for Hydrogen and Fuel Cells
- Mr Ridell,
Swedish Representative in the IEA Advanced Fuel Cells Executive Committee
- Prof. J. Proost, UCL, Ecole polytechnique de Louvain, Institute of Mechanics, Materials and Civil Engineering (iMMC), Materials and process engineering (IMAP)

16:30 – 16:45 Concluding remarks

Mr Busquin,
Minister of State and former European Commissioner for Research

16:45 – 17:15 Reception & Networking



Practical information

When ?

Monday 24 March 2014

From 8:30 tot 16:30

Registration

Attendance is free of charge, but registration is required.

Please register by means of the included form, to be filled in completely and accurately, and returned to Mrs Annabelle Delire **no later than 17 March 2014.**

Limited number of places: 200 persons.

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E-mail: externcom@economie.fgov.be

Language

Simultaneous interpretation in English, Dutch and French will be provided.

Supervisory team

Eric Nachtergaele, Counselor-General

(French - English)

Tel: 02 277 70 84

Fax: 02 277 53 01

Geroen Zwaenepoel, Counselor

(Dutch - English)

Tel: 02 277 84 84

Fax: 02 277 53 02



Venue

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