

Joint Technology Initiative (JTI) on Fuel Cells and Hydrogen

Addressing climate change, security of energy supply and competitiveness

Brussels, 28 March 2007

45 European companies have joined forces in a new international not-for-profit association as the first step to create a European public-private partnership – a Joint Technology Initiative (JTI) – for fuel cells and hydrogen. This association, called the JTI Industry Grouping, will be the key interlocutor and partner of the European Commission to create the JTI.

Having fulfilled the in-depth preparations for the JTI on their side, the 45 Members of the JTI Industry Grouping are now calling upon the European Commission to accelerate the process and adopt a proposal for the creation of the JTI on fuel cells and hydrogen as soon as possible.

"If Europe is serious about addressing climate change, security of energy supply and competitiveness in new technologies, we must unite forces and have a strong public-private partnership to accelerate the wide-scale market introduction of fuel cell and hydrogen technologies. The European industry has repeatedly shown over the past three years that it is ready to invest in a Joint Technology Initiative the last step being the founding of the respective Industry Grouping. The establishment of a JTI for fuel cells and hydrogen needs to occur without further delay. Not moving forward on this would be a lost opportunity for Europe." said Herbert Kohler, Chairman of the European Hydrogen and Fuel Cell Technology Platform and Member of the JTI Industry Grouping.



45 Companies from all over Europe join forces to move forward on the JTI on fuel cells and hydrogen

Fuel cell and hydrogen technologies are an innovative market in which Europe is in a position to strive for world leadership. These technologies can significantly contribute to fulfilling the European Union's (EU) objectives in terms of winning the battle against climate change, securing our security of energy supply and creating as much as 500,000 new jobs.

This is why 45 companies – amongst them major international corporations and SMEs – created a new legal entity, the JTI Industry Grouping, which is the first step towards the creation of a Joint Technology Initiative (JTI) on fuel cells and hydrogen. Once the European Commission, the European Parliament and the Council of the European Union will have adopted the legislative proposal to create this JTI, the new industry association will become the privately funded shareholder of the public-private partnership with the Commission.

What is a Joint Technology Initiative?

The JTI is an industry-led public-private partnership equally funded and governed by industry and the European Commission. Other stakeholders such as the research community, are actively contributing

and participating in its activities. The JTI will closely collaborate with regional or national governments to achieve common objectives.

Why is a JTI for fuel cells and hydrogen needed?

Several fuel cell and hydrogen technologies have already entered the market and many more applications are to come. However, in most sectors massive investments are required to deploy these technologies, as entirely new infrastructures must be created. This is particularly visible in the transport sector, where a full supply chain – from production of hydrogen to filling stations – must be built up before passenger cars powered with hydrogen on European roads can become a reality.

By uniting the forces of all stakeholders- industry, public authorities and the research community – the JTI on fuel cells and hydrogen will ensure that research and deployment activities are carried out in a streamlined manner, that efforts are business-driven and focus on the most promising applications.

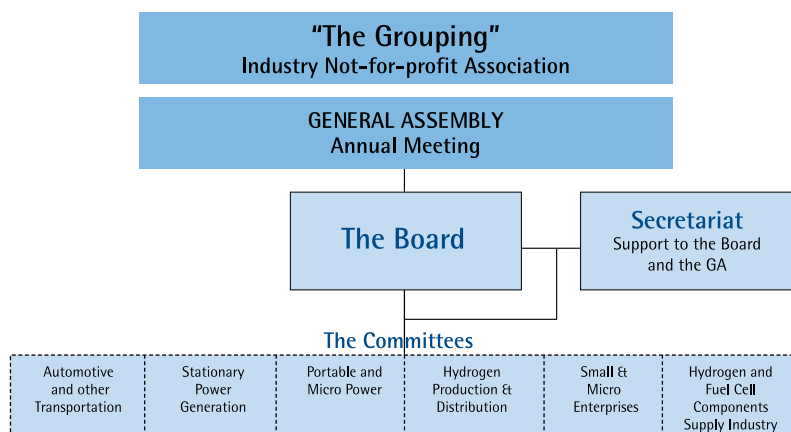
How would it work?

The Industry Grouping will form a joint undertaking with the European Commission including appropriate representation of research centres. Public and private funding will be equally shared, as well as decision-making.

According to the Implementation Plan developed by the European Hydrogen and Fuel Cell Technology Platform, it is estimated that an overall amount of 7.4 billion EUR of public and private resources is

needed between 2007 and 2015 to efficiently deploy fuel cell and hydrogen technologies and carry out the required research activities. A substantial part of this amount will be channeled through the JTI and used to fund research and deployment projects that are in line with the objectives set jointly between the public and private shareholders of the undertaking. Participation in JTI projects will be open, meaning that all companies – even if they are not part of the Industry Grouping – will be able to propose projects.

Structure of the Industry Grouping



1. The chairs of the committees will be the board members of the Industry Grouping.
2. The six board members will automatically act as industry representatives in the JTI governing board.



Current status and next steps

Stakeholders within the European Hydrogen and Fuel Cell Technology Platform have been strong supporters of the JTI for more than three years. Back in 2005, 120 organizations, including private corporations, public-funded companies and research institutes have indicated their strong willingness to invest in the JTI on fuel cells and hydrogen and urged the European Commission to prepare a legislative proposal to create the JTI.

A dedicated group of stakeholders of the Hydrogen and Fuel Cell Technology Platform worked together with the European Commission to elaborate the baseline for the structure and operation of the JTI. This resulted in the conclusion that industry should unite into one grouping, which would become the sole industrial interlocutor of the European Commission within the JTI.

Today, this JTI Industry Grouping has been created. 45 companies decided to become frontrunners and to contribute together 500,000 EUR in 2007 and 1.4 million in 2008 to pave the way for the start of operations of the JTI as early as possible.

The founding members represent a high-quality panel and the major share of Europe's hydrogen and fuel cell industries. The total investment on fuel cells and hydrogen foreseen by companies willing to join the JTI is in the order of 3.2 billion Euro for the 7th Research Framework Programme period (2007 – 2013). This represents an additional 600 million EUR compared to a scenario where there would be no JTI.

And yet, this is only a first step as many more companies of all sizes, including many innovative micro and small enterprises, have already indicated their interest to join the JTI through the Industry Grouping.

IT IS NOW TIME TO KEEP THE MOMENTUM HIGH!

Industry has done its homework, shown its commitment and demonstrated that the JTI on fuel cells and hydrogen does fulfill all the criteria needed for the European Commission to propose the creation of the JTI. The Members of the JTI Industry Grouping therefore urge the European Commission, the Member States of the European Union and the Members of the European Parliament to demonstrate their willingness to match their ambition by adopting the legislative proposal for the creation of the Joint Technology Initiative before the end of 2007. Any further month without action is a lost opportunity for Europe. It is now time to go ahead!



Austria	ALPPS Fuel Cell Systems GmbH	www.alpps.at
	AVL List GmbH	www.avl.com
	MAGNA STEYR Fahrzeugtechnik AG & Co KG	www.magnasteyr.com
	Umicore AG	www.umicore.com
Belgium	Hydrogenics Europe	www.hydrogenics.com
	Vandenborre NTDA (EUROMAS BVBA)	
Denmark	H2 Logic	www.h2logic.com
	Topsoe Fuel Cell A/S	www.topsoe.dk
Finland	Wärtsilä Finland	www.wartsila.com
France	Air Liquide	www.airliquide.fr
	Gas de France	www.gazdefrance.com
	Saint Gobain Centre de Recherches et d'Etudes Européen	www.saint-gobain.com
	SNECMA	www.snecma.fr
	Total France	www.total.com
Germany	Adam Opel GmbH	www.opel.com
	DaimlerChrysler	www.daimlerchrysler.com
	EADS	www.eads.com
	EWE AG	www.ewe.de
	MTU - CFC Solutions (CFC Solutions GmbH)	www.cfc-solutions.com
	Nucellsys	www.NuCellSys.com
	PEMEAS Fuel Cell Technologies	www.pemeas.com
	Siemens	www.siemens.com
	Volkswagen	www.volkswagen.de
Italy	Ansaldo Fuel Cells S.p.a.	www.ansaldoenergia.com
	Centro Ricerche Fiat Spa	www.crf.it
	ILT Technology	www.ilttechnology.com
	Labor srl	www.labor-eu.net
	SOFCpower	www.sofcpower.com
	Environmental park	www.polito.it
Norway	Hydro Hydrogen Technologies AS	www.hydro.com
Spain	Acciona Energia	www.acciona.es
	GAMESA Corporacion Tecnologica	www.gamesa.es
	Hynergreen Technologies s.a.	www.abengoa.com
	CLM Hidrógeno	
	NTDA	www.ntdaenergia.com
Sweden	E.ON Sverige AB	www.eon.se
Switzerland	Hexis	www.hexis.com
The Netherlands	Shell	www.shell.com
United Kingdom	Adelan Ltd	www.bham.ac.uk
	Air Products	www.airproducts.co.uk
	BP International Limited	www.bp.com
	Ceramic Fuel Cells (Europe) Ltd.	www.cfcl.com.au
	Fuel Cell Control Ltd	www.fuelcellcontrol.com
	Intelligent Energy	www.intelligent-energy.com
	Rolls Royce Fuel cell sys	www.rolls-royce.com