



# SOLARIMPULSE FOUNDATION

## WHAT IS THE STATUS OF HYDROGEN-BASED MOBILITY IN FRANCE?

**Friday 21<sup>st</sup> of September (9am – 11am)  
Pavillon Gabriel : 5 avenue Gabriel Paris 8<sup>th</sup> (75008)**

**Four months on from the ambitious announcement by the French Ministry for the Ecological and Solidarity Transition to invest €100M in the deployment of Hydrogen in industry, mobility and energy sectors and make France “a world leader”, key industry players Air Liquide and Hyundai will discuss the current state of play in a panel discussion open to the public and moderated by adventurer and clean technology advocate Bertrand Piccard.**

The future of mobility is one of the most frequently discussed topics in innovation and sustainability. It is widely acknowledged that there is a need for “clean mobility”, but there is no consensus around which technology to support. Today, electrical vehicles drive the majority of media and public attention and most car manufacturers are working on electric vehicles, but this remains only one part of the solution.

**On June 1<sup>st</sup> 2018, the decision by the ministry of the Ecological and Solidarity Transition to dedicate €100M to the deployment of Hydrogen-based technologies demonstrated that there is a political will in France to go in this direction.**

**Hyundai**, a pioneer in the development of this alternative energy, is the first car manufacturer to have invested heavily in hydrogen technology since 2013, and markets this technology in 17 countries, including 13 in Europe. The second generation of fuel cell vehicles will arrive in France this fall. With an infrastructure network still embryonic, uptake remains a challenge.

Building the hydrogen economy would require annual investments of \$20 to 25 billion for a total of about \$280 billion until 2030. About 40% (\$110 billion) of this investment would go into the production of hydrogen, about a third (\$80 billion) into storage, transport, and distribution, and about a quarter (\$70 billion) into product and series development and scale-up of manufacturing capacity. As things stand, the world already invests more than \$1.7 trillion in energy each year, including \$650 billion in oil and gas, \$300 billion in renewable electricity, and more than \$300 billion in the automotive industry.

**On September 21<sup>st</sup>, key players in the hydrogen and mobility sector will gather to discuss the status of hydrogen in France.** This debate is co-organized by Air Liquide, Hyundai and chaired by Bertrand Piccard, Initiator and Chairman of the Solar Impulse Foundation.

### **Contacts :**

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## **More information about:**

### **Bertrand Piccard**

It is in Bertrand Piccard's DNA to achieve the impossible. As part of a legendary dynasty of explorers and scientists who conquered the heights and depths of our planet, he made history by accomplishing the first ever non-stop around the world balloon flight on board Breitling Orbiter 3. With a vision to demonstrate the immense potential of renewable energies, he then initiated the Solar Impulse challenge, and circumnavigated the globe in an airplane powered only by the sun. Being a pioneer of clean technologies, his goal is now to select 1000 economically profitable solutions to protect the environment. With his dual identity as a medical doctor and a serial-explorer, Bertrand Piccard has become an influential voice as a forward-thinking leader for progress and sustainability.

### **Solar Impulse Foundation**

Following the success of the first solar flight around the world, the Solar Impulse Foundation is dedicated to improving the quality of life on Earth by fast-tracking the implementation of clean and profitable solutions and help governments officials go beyond compromise and adopt modern legal frameworks to allow clean economic growth.

### **World Alliance for Efficient Solutions**

The World Alliance for Efficient Solutions is a non-profit organization initiated by the Solar Impulse Foundation. Launched at the Bonn Climate Conference in November 2017, it brings together the main actors in the field of clean technologies. Members include innovators, investors, public institutions, innovation seekers, corporates committed to making our future sustainable. The World Alliance aims to federate and create synergies between its members to fast-track the implementation of clean and profitable solutions that have the potential to address the environmental challenges of today.

### **Air Liquide**

The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3.5 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Air Liquide's ambition is to lead its industry, deliver long term performance and contribute to sustainability. The company's customer-centric transformation strategy aims at profitable growth over the long term. It relies on operational excellence, selective investments, open innovation and a network organization implemented by the Group worldwide. Through the commitment and inventiveness of its people, Air Liquide leverages energy and environment transition, changes in healthcare and digitization, and delivers greater value to all its stakeholders.

### **Hyundai**

Established in 1967, Hyundai Motor Company is committed to becoming a lifetime partner in automobiles and beyond with its range of world-class vehicles and mobility services offered available in more than 200 countries. Employing more than 110,000 employees worldwide, Hyundai sold more than 4.5 million vehicles globally. Hyundai Motor Company continues to enhance its product line-up with vehicles that are helping to build solutions for a more sustainable future, such as NEXO – the world's first dedicated hydrogen-powered SUV.

More information about Hyundai Motor France and its products is available at <https://www.hyundai.news/fr/>

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