

Consortium

The HYCARUS Consortium is in total composed of 9 partners from 5 countries, Belgium, the Czech Republic, France, Germany and Spain. The project is led by **ZODIAC AEROSPACE**, represented by three divisions:



Zodiac Cabin Controls Division
Zodiac Electrical Power Systems Division
Zodiac Galleys Europe Division

HYCARUS further gathers the following experts:



Commissariat à l'énergie atomique et aux énergies alternatives



DASSAULT Aviation



Air Liquide



European Commission,
Directorate-General Joint
Research Centre, Institute for
Energy and Transport



Spanish National Institute for
Aerospace Technology



ARTIC

Project Coordinator

The HYCARUS project is led by ZODIAC AEROSPACE. Zodiac Cabin Controls is the centre of excellence for the development and manufacture of cabin electronics within the Zodiac Aerospace Group.

ZODIAC AEROSPACE

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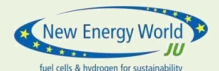
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HYdrogen Cells for AiRborne USage

www.hycarus.eu

The project has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) for the Fuel Cells and Hydrogen Joint Technology Initiative under grant agreement n° 325342



HYCARUS will design a **generic fuel cell system** compatible with non-essential aircraft applications such as **galleys, lavatory or crew rest compartment** in a large commercial aircraft or **secondary power sources on-board a business jet.**

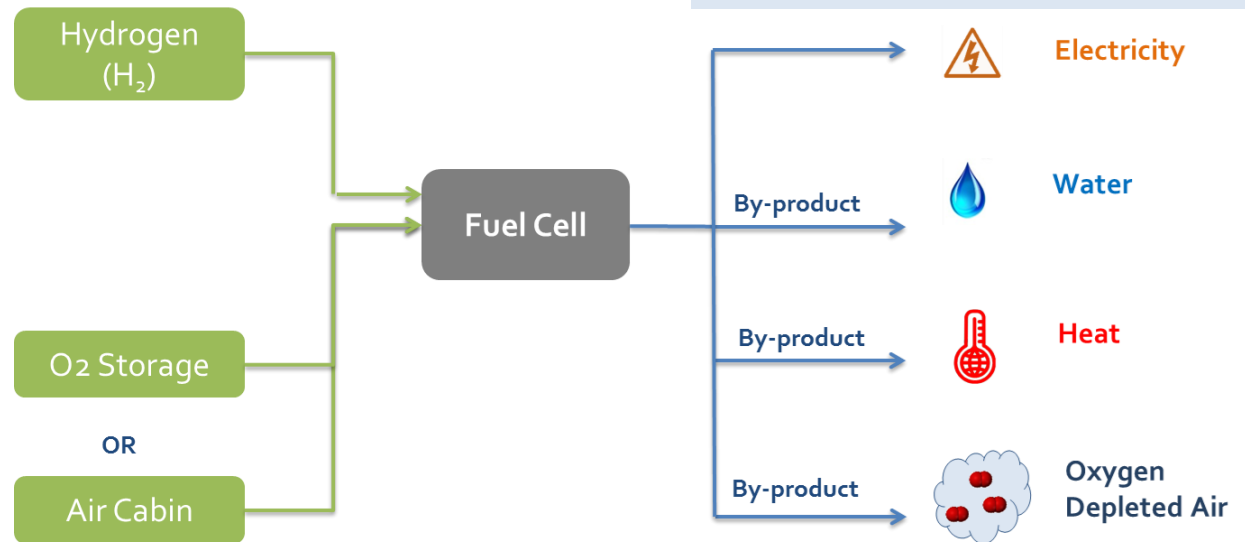
HYCARUS will thus address the global concern of European airlines and business jet operators to find alternative sources to power non-propulsive aircraft systems in order to positively impact the environment and address future emission regulations.



HYCARUS Team, Kick-off meeting, 14 – 16 May 2013, Hamburg, Germany

PEM Fuel Cells

Due to their multiple benefits, such as no pollution, high efficiency, safety and silence, the use of **Proton Exchange Membrane (PEM) fuel cells** is now being deeply investigated for generating electrical power for non-essential aircraft applications. They now appear to be the most promising technology for aircraft electric power generation.



HYCARUS will assess and **exploit the by-products** in different airborne applications - galleys, lavatories, warmers, chillers or inerting functions such as fuel tank.

- ▶ **Starting Date:** 1st May 2013
- ▶ **Duration:** 36 Months
- ▶ **Consortium:** 9 partners, 5 countries
- ▶ **Programme:** HYCARUS is a European project partly funded by the Fuel Cells and Hydrogen Joint Undertaking. For more information on FCH JU, visit the official website: www.fch-ju.eu



For more information on the HYCARUS project, visit www.hycarus.eu