

The largest part of electric vehicles today are simply adapted from an Internal Combustion Engine (ICE) vehicle using an existing body. This does not address lightweight or modularity issues, presenting the same disadvantages as conventional ICE architectures.

Mass is the single largest contributor to both intermittent and continuous peak power requirements. For this reason, it determines the size, and cost in most cases, of all the drive system components.

Innovative design approaches for FEV should be identified then to reduce product weight (and costs) while keeping the same performances of ICE vehicles as far as safety, comfort and maintenance.



EVOLUTION is the acronym for “*The Electric Vehicle revOLUTION enabled by advanced materials highly hybridized into lightweight components for easy integration and dismantling providing a reduced life cycle cost*”

and it is a R&D project funded by the European Commission under the Seventh Framework Programme, grant agreement No.314744 spanning 48 months (start date 1st November 2012). It involves 24 partners from 11 different EU countries; eight partners are European SMEs operating in different fields of the automotive sectors: materials, equipment, part production.

Advanced metallic materials, reinforced composites, joining and manufacturing technologies, as well as recyclability, modularity, ergonomics and safety are the main topics to be considered within EVOLUTION.

EVOLUTION overall goal is to demonstrate the technical and economic feasibility of a 600kg full electric vehicles by the end of 2016.

An open **CALL FOR EXPERTS** to join the Project’s **Industrial Advisory Board** has been launched for engaging in critical stakeholder dialogue. We require a panel of experts who will use their interest and expertise in issues relating to the main EVolution R&D topics mentioned above.

Candidates must be representative of our stakeholder groups including **car and/or busses manufacturers, aeronautic, construction and railway industry, users of plastics and aluminum foil and providers of raw materials, both plastics and aluminium alloys.**

The IAB members will:

- 1) Provide comment and feedback on some of the EVOLUTION R&D activities and deliverables;
- 2) Play a pro-active and key role, providing additional, valuable and impartial input and stimulus to our program;
- 3) Contributing in defining research challenges arising from industrial point of view and to recommend Short, Medium and Long term priorities;
- 4) Attend project meeting* (expenses paid) to further explore the themes of the project.

*Please note: Working language will be English. From June 2014 to November 2016, you will be required to participate (fully reimbursed) at least in three events, the Industrial Advisory Board meetings and, at your convenience, also to the EVOLUTION General Assembly. Please note that these event may also take place at the same time.

Interested experts are kindly asked to send an application to Ms. Francesca Di Paolo stating:

- Full name - Organisation - Country
- Contact: e-mail address and a phone number
- Reason for interest in EVOLUTION

Click here to submit your application**
or here to visit our website!



The Call for Experts will be open until May 29th 2014.

Thank you for your interest! Looking forward to have you onboard!



**If the link is not working properly, please send the application directly to fdipaolo@innovazioneautomotive.eu