Fuel Cells Applied to Automotive: Revolution Throught Evolution

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For people working on Powertrain technologies and energy technologies this is one of the most exciting times but also one of the most uncertain. What will be the new Powertrain in the coming years? What will be the new fuel as an energy source for transportation? What will be the next energy storage and generation for the future? How will we bring the car out of the environmental equation? At Delphi we have tried to prepare that revolution through evolution and hereafter we will introduce two key technologies that will address the following concerns:

- Introduction of hydrogen in discrete quantity in order to improve engine combustion and emissions through hydrogen on-board reformation.
- Fuel Cell Auxiliary Power Unit (APU) to supply power to engine independent accessories with high efficiency and very low emissions.