HySYS

Fuel cell hybrid system component development

Objectives

- Improvement of fuel cell system technology for market readiness (functionality, reliability, cost, customer acceptance)
- Optimisation of system architecture for low energy consumption and high performance
- Optimisation of energy management
- Development of low cost mass market FC- & Drive Train components.
- Validation of component and system performance on two FC Vehicles (DC and PSA)
- Focus on components with real research needs and high cost reduction potential
- Standardisation as very important for cost reduction and European competitiveness (broad range of experience and expertise is involved)
- Identification of common architecture and modular design
- Focus is on FC systems, considering also components that can be used in ICE Hybrids
- Synergies with ICE-Hybrids

Motivation

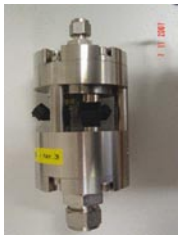
- Improvement of system components for FC-hybrid vehicles is necessary to meet all necessary requirements for mass production
- Involve supplier industry more deeply in FC- and ICE Hybrid component development by cooperation in a European project
- Close cooperation of car industry with suppliers is needed for a successful market introduction of FC-vehicles

Achievements/ Results

Air Supply (ETC)

E-Motor

Batterymodule



Hydrogen Metering

Additional information

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