



Project Summary

R&D, demonstration and incentive programmes effectiveness to facilitate and secure market introduction of alternative motor fuels

PREMIA

Action Line: Alternative motor fuels
Contract Type: Specific support actions
Activity area: Biofuels and Hydrogen

Coordinator:

Organisation: Vlaamse Instelling voor Technologisch Onderzoek (Flemish Institute for Technological Research)
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Project details

Reference:	AMF2/503081/2003	Start Date:	1/06/2004
Status:	Execution	End Date:	1/06/2007
Project Cost (€):	1.000.000	Duration (months):	36
Project Funding (€):	1.000.000		

Summary

The European Commission has set the objective to substitute 20% of motor fuel consumption by new and alternative fuels by the year 2020. Three categories of fuels are envisaged: biofuels, natural gas and hydrogen.

There are many constraints for a market introduction and large-scale application of these fuels. In any case big efforts will be needed to reach the objectives of the European Commission. Certain alternative fuels are closer to market maturity than others. Biofuels could achieve market maturity rather soon (estimated up to 2010), while hydrogen is much further away from market maturity (estimated up to 2020). So the actions to secure their market introduction may require different approaches.

Although a general European approach is most obvious, country-specific conditions and constraints may require different approaches in different countries. The strategy to introduce alternative motor fuels is best adapted to the specific country legislation, the available resources (e.g. land for biofuels), supply opportunities and available energy sources, available infrastructure. Especially for the Candidate Countries a specific approach may be needed.

The objective of the project is to investigate the cost effectiveness of measures to support the large-scale introduction of alternative motor fuels and alternatively fuelled vehicles in the EU15 and the Candidate Countries, in relation to the market maturity of the technology and the country dependent situation.

The focus will be on biofuels as a ready-to-market alternative fuel and hydrogen as a fuel further away from market maturity. Current and past initiatives to facilitate and secure the market introduction of alternative motor fuels (R&D support, demonstration actions and direct incentives) will be evaluated for their role in the process towards market introduction of alternative motor fuels.



Partners

1	Vlaamse Instelling voor Technologisch Onderzoek (Flemish Institute for Technological Research)	BE
2	Joint Research Centre	BE
3	Centre for Research and Technology Hellas	GR
4	Valtion teknillinen tutkimuskeskus (VTT Technical Research Centre of Finland)	FI
5	South East European Transport Research Forum	GR