ECO-PowerDrive
Emission- and Fuel Consumption Reduction for Two-Wheeler and Small Engine Applications

Main location | Graz (Styria)
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Other locations | Gunskirchen, Wels (Upper Austria), Wolfsberg (Corinthia), Kufstein (Tyrol), München, Lohmar (Germany),
Research programme | Minimisation of gaseous and CO2 emissions of handheld applications, two-wheelers and recreational products.

Planned realisation and outcomes
The overall goal of ECO-PowerDrive is to make a significant contribution to the „greening” of Small Off-Road Engines (SORE), Powered 2-Wheelers (PTW), recreational products, and related applications. The research program focuses on the development of technologies for the minimisation of gaseous emissions and CO2 as well as on the exploration of hybrid-powertrain concepts. Thematic and technological synergies will be used to enable the developments of common usable innovative methods, technologies and tools which will be cost effective and thus competitive.

History of establishment
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Selected company partners (max. 10)
1. BRP Powertrain (Austria)
2. VIKING GmbH (Austria)
3. Hans LEEB GmbH (Austria)

Selected scientific partners (max. 5)
1. Institute for Internal Combustion Engines and Thermodynamics, Graz University of Technology (Austria)
2. Institute of Electrical Measurement and Measurement Signal Processing, Graz University of Technology (Austria)
3. Upper Austria University of Applied Science – FH OÖ, School of Engineering and Environmental Sciences Wels (Austria)

Selected international partners *(max. 5)*
1. BMW AG (Germany)
2. EMITEC (Germany)

Planned Start of the K-Project | March 2010
Planned number of personnel | ~ 15-20 (including diploma and PHD students)
Total costs | EUR 4.4 Mio
Leader of consortium: | Institute for Internal Combustion Engines and Thermodynamics, Prof. Dr. Helmut Eichlseder
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* Partners with headquarters outside Austria