

COMET: K-Project

ECO-2	
ECO-PowerDrive-2	
Main location	Graz, Steiermark
Other locations	Gunskirchen, OÖ; Langkampfen, T; Wien
Research programme	Reduction of regulated emission und fuel consumption of extremely downsized automobile-, Two-Wheeler- and garden equipment applications. This comprises extremely small compression ignition, spark ignition engines and hybrid propulsion concepts als well as alternative fuels with focus on „Real World“ operating conditions..
Planned realisation and outcomes	
<ul style="list-style-type: none"> Technologies for the reduction of „Real Drive Emission“ of Two-Wheeler and extremely small compression ignition propulsions Control strategies for two-stroke engines Lean combustion concepts fort wo stroke engines Combustion concepts for extremely downsized compression ignition engines for EU6+ incl. exhaust gas after treatment Hybrid propulsion for motorcycles under real world operating conditions. 	
History of establishment	Based on the successful k-project ECO-Powerdrive (3.rd Call) a research consortium for the reduction of real world emission of small automobiles and two-wheeler was founded.
Selected company partners (max. 10)	Selected scientific partners (max. 5) <ol style="list-style-type: none"> 1. Inst.f. Internal Combustion Engines and Thermodynamics / TU-Graz 2.Inst.f. Electrical Measurement and and Measurement Signal Processing / TU-Graz 3.Inst.f. Chemistry/ KF-Uni 4.Univ. of Applied Scienes Upper Austria (Wels)
<ol style="list-style-type: none"> 1. AVL-List GmbH 2.BMW AG 3.BRP Powertrain GmbH & Co KG 4.Emitec GmbH 5.Heraeus Precious Metals GmbH & Co KG 6.OMV Refining & Marketing GmbH 7.Andreas STIHL AG & Co KG 8.Viking GmbH 	Selected international partners ¹(max. 5) <ol style="list-style-type: none"> 1. BMW AG 2. Emitec GmbH 3. Heraeus Precious Metals GmbH & Co KG 4. Andreas STIHL AG & Co KG
Planned start of the K-Project	30.9.2014 (4years)
Planned number of personnel	12.5 (FTE) are involved (2-3 FTE are scientists)
Total costs	EUR 5.873 mio.
Leader of consortium:	Prof. Helmut Eichlseder (Head of Institute) / Dr. Stephan Schmidt (Consortium Leader)
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¹ Partners with headquarters outside Austria