

COMET: K-Project

imPACts	
Industrial Methods for Process Analytical Chemistry – From Measurement Technologies to Information Systems	
Main location	Linz (Upper Austria)
Other locations	Vienna (Vienna), Hagenberg (Upper Austria)
Research programme	"imPACts" aims at strengthening the process industry in various sectors. By fostering the development of process analytical technologies towards knowledge based information systems, industry shall be enabled for optimized real-time decision making and process optimization.
Planned realisation and outcomes	
<p>"imPACts" will focus on the further development of process analytical technologies (always aiming for online-applicability) in the following fields: LIBS, QCL spectroscopy, MIR-, NIR- and Raman-spectroscopy, THz-technology, NMR, PEIM and microsensors.</p> <p>For generating economic value out of the measured data, the methods for chemometric data analysis and (bio-)process modelling will be developed towards the realization of knowledge-based information systems.</p>	
History of establishment	Some of the partners have already successfully cooperated in the K-project PAC. There, a key aspect had been the data acquisition and data processing for IR-spectroscopy. Now the consortium and the focus are consequentially extended: on one hand with respect to the measurement- and process-technologies; on the other hand with respect to the use of the provided chemical information in real-time-information systems.
Selected company partners (max. 10)	Selected scientific partners (max. 5)
<ol style="list-style-type: none"> 1. Brau Union Österreich AG (Linz) 2. Patheon Austria GmbH & Co KG (Linz) 3. EXPUTEK GmbH (Vienna) 4. Keysight Technologies GmbH (Vienna) 5. Kraiburg Austria GmbH & Co KG (Geretsberg) 6. Lenzing Aktiengesellschaft (Lenzing) 7. Metadynea Austria GmbH (Krems) 8. OMV Refining & Marketing GmbH (Schwechat) 9. Sandoz GmbH (Kundl) 10. voestalpine Stahl GmbH (Linz) 	<ol style="list-style-type: none"> 1. RECENDT GmbH (Linz) 2. Vienna University of Technology (Vienna) 3. Johannes Kepler University Linz (Linz) 4. Kompetenzzentrum Holz GmbH (Linz) 5. Software Competence Center Hagenberg GmbH (Hagenb.)
	Selected international partners ¹ (max. 5)
	1. Kelheim Fibres GmbH (Germany / Kelheim)
Planned start of the K-Project	01.09.2014 (4 years)
Planned number of personnel	18 (FTE) are involved (16 FTE are scientists)
Total costs	EUR 6,7 Million
Leader of consortium:	RECENDT GmbH, Dipl.-Ing. Robert Holzer (project management)
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¹ Partners with headquarters outside Austria