

## COMET: K-Project

<b>imPACts</b>	
<b>Industrial Methods for Process Analytical Chemistry – From Measurement Technologies to Information Systems</b>	
<b>Main location</b>	Linz (Upper Austria)
<b>Other locations</b>	Vienna (Vienna), Hagenberg (Upper Austria)
<b>Research programme</b>	“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.
<b>Planned realisation and outcomes</b>	
<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>	
<b>History of establishment</b>	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.
<b>Selected company partners</b> (max. 10 )	<b>Selected scientific partners</b> (max. 5)
<ol style="list-style-type: none"> <li>1. Brau Union Österreich AG (Linz)</li> <li>2. DPx Fine Chemicals Austria GmbH &amp; Co KG (Linz)</li> <li>3. EXPUTEK GmbH (Vienna)</li> <li>4. Keysight Technologies GmbH (Vienna)</li> <li>5. Kraiburg Austria GmbH &amp; Co KG (Geretsberg)</li> <li>6. Lenzing Aktiengesellschaft (Lenzing)</li> <li>7. Metadynea Austria GmbH (Krems)</li> <li>8. OMV Refining &amp; Marketing GmbH (Schwechat)</li> <li>9. Sandoz GmbH (Kundl)</li> <li>10. voestalpine Stahl GmbH (Linz)</li> </ol>	<ol style="list-style-type: none"> <li>1. RECENTD GmbH (Linz)</li> <li>2. Vienna University of Technology (Vienna)</li> <li>3. Johannes Kepler University Linz (Linz)</li> <li>4. Kompetenzzentrum Holz GmbH (Linz)</li> <li>5. Software Competence Center Hagenberg GmbH (Hagenb.)</li> </ol>
	<b>Selected international partners</b> <sup>1</sup> ( max. 5 )
	1. Kelheim Fibres GmbH (Germany / Kelheim)
<b>Planned start of the K-Project</b>	01.09.2014 (4 years)
<b>Planned number of personnel</b>	18 (FTE) are involved (16 FTE are scientists)
<b>Total costs</b>	EUR 6,7 Million
<b>Leader of consortium:</b>	RECENTD GmbH, Dipl.-Ing. Robert Holzer (project management)
<b>Contact:</b>	Altenberger Straße 69, A – 4040 Linz +43 (732) 2468 – 4602 <a href="mailto:robert.holzer@recentd.at">robert.holzer@recentd.at</a> <a href="http://www.recentd.at">www.recentd.at</a> <a href="http://www.k-pac.at">www.k-pac.at</a>

<sup>1</sup> Partners with headquarters outside Austria