

## COMET K1 Centre

<b>CTR</b>	
<b>CTR Carinthian Tech Research AG - Competence Centre for Advanced Sensor Technologies</b>	
Main location	Villach / St. Magdalen
Other locations	(none)
Research programme	intelligent sensorics, focus on optical systems technologies, micro-systems technologies and SAW [surface acoustic wave] sensor systems
<b>Planned realisation and outcomes</b>	
Non-invasive biomedical metrology and diagnostics utilising spectral imaging robust miniaturised high-energy lasers for material characterisation and laser ignition in gas turbines MOEMS [micro-opto-electro-mechanical systems] –based, miniaturised chemical and biochemical analysers fully passive radio frequency SAW sensors for highest temperatures (up to 1000°C)	
History of establishment	1997: establishment of CTR; 1998: CTR Austria's first <i>Kplus</i> Competence Centre; 2001: transition to AG; 2003: ISO 9001/2000 certified; 2005: successful <i>Kplus</i> 7Y evaluation; 2007: 40 employees, 4.7 Mio. Euro turnover; COMET K1 Centre CTR
<b>Selected company partners</b>	<b>Selected scientific partners</b>
1. AVL List GmbH 2. Infineon Technologies Austria AG 3. RHI AG 4. Beckman Coulter GmbH 5. Vibrometer France SAS 6. Richard Wolf GmbH 7. TiTech VisionSort GmbH 8. T.I.P.S. Messtechnik GmbH 9. MICROTEC s.r.l. / GmbH 10. INNSITEC Laser Technologies GmbH	1 Vienna University of Technology, ISAS & CTA 2. Alpen-Adria University Klagenfurt, IS & NES 3. Johannes Kepler University Linz, ICIE 4. Integrated Microsystems Austria GmbH
	<b>Selected international partners <sup>1</sup></b>
	1. Albert-Ludwigs University Freiburg, IMTEK 2. Delft University of Technology, (I,C) <sup>T</sup> 3. Fraunhofer Society, IPMS 4. Carl Zeiss Meditec AG 5. ThyssenKrupp Steel AG
Planned number of personnel	23,5 FTE (of which 18 researchers (m/f))
Total costs <sup>2</sup>	EUR 14 Mio
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<sup>1</sup> Partners with headquarters outside Austria

<sup>2</sup> Proposed total costs for the first funding period (K1: 4 years, K2: 5 years)