

COMET Centre (K2)

InTribology	
Tribology Intelligence – Customized Tribology for Industrial Innovations	
Main location	Wiener Neustadt, Niederösterreich
Other locations	
Research programme	Integration of data-driven methods in tribo-diagnostics; development of generic models for lubricant & interface mechanisms and friction surface phenomena; investigation of wear processes and wear reduction strategies; development of application-oriented digital models for the modelling of tribological systems relevant for industrial practice.
Planned realisation and outcomes	
<i>InTribology</i> will intensify trend-setting the research on and validation of tribological systems through data-driven methods, thereby enabling customized solutions and fostering industrial innovation in European and Austrian industry. This will lead tribology into an era of digital transformation, and the high potential of tribology to make a significant contribution to the global challenge of “decarbonisation” is significantly raised and made visible to customers and the society.	
History of establishment	2002: formation of AC2T research GmbH as operating organization 2002 – 2009: <i>Kplus</i> Center of Competence for Tribology 2010 – 2020: COMET K2 Excellence Centre of Tribology
Selected company partners (max. 10)	Selected scientific partners (max. 5)
1. voestalpine Stahl GmbH (A) 2. AVL List GmbH (A) 3. OMV Exploration & Production GmbH (A) 4. voestalpine Tubulars GmbH & Co KG (A) 5. Wittmann Battenfeld GmbH (A) 6. Magna Powertrain GmbH & Co KG (A) 7. Siemens Mobility GmbH (A) 8. Liebherr-Transportation Systems GmbH & Co KG (A) 9. Knorr-Bremse GmbH (A) 10. Linde Gas GmbH (A)	1. Technische Universität Wien – 11 Institute (A) 2. Univ. of California Merced, Dept of Mech Eng (US) 3. University of Leeds, School of Mech Eng (UK) 4. VTT Technical Research Centre of Finland Ltd. (FIN) 5. Luleå University of Techn., Dept of Eng Sci&Math (S)
	Selected international partners ¹ (max. 5)
	1. Robert Bosch GmbH (D) 2. SKF B.V. (NL) 3. Toyota Motor Europe NV/SA (B) 4. Total Marketing Service S.A. (F) 5. GKN Sinter Metals S.p.A. (IT)
Duration of the COMET Centre	April 2020 – March 2028 (8 years)
Staff employed at the Centre	140 FTE (thereof 120 scientists)
Management of the Centre	Prof. Dr. Andreas Pauschitz, AC2T research GmbH, General Manager
Contact	Viktor-Kaplan-Straße 2/C, 2700 Wiener Neustadt, Austria +43 2622 81600 office@ac2t.at, www.ac2t.at

¹ Partners with headquarters outside Austria