

COMET CENTRE (K1)

PRO²FUTURE GMBH

RESEARCH PROGRAMME: PRO²FUTURE – PRODUCTS AND PRODUCTION SYSTEMS OF THE FUTURE

Main location: Linz (Upper Austria)

Other locations: Graz (Styria), project location Steyr (Upper Austria)

Thematic area: Materials & Production



Thematic focuses

- Cognitive Products & Production Systems
- Cognitive Decision Support Systems
- Cognitive Robotics & Shop Floors
- Perception & Aware Systems
- Artificial Intelligence

Planned realisation and outcomes

Interlocking of human and artificial intelligence (**Pervasive AI**), complexity management in distributed AI environments (**Engineering for Distributed AI**), relationships between cause and effect of events (**Causality**) and predictions of the AI and influencing factors (**Explainable AI**) and adaptation of production processes (**Analytical User Guidance**). Another focus will be on **Edge Analytics, Failsafe & Robust AI**, and **AI for Sustainable Production**.

History of establishment

As a meanwhile established research center with a focus on cognitive production, Pro²Future was founded on Austria's strongest industrial and research axis Upper Austria-Styria in April 2017.

COMET FACTSHEET

Selected company partners (max. 10):

1. AVL List GmbH
2. Fronius International GmbH
3. voestalpine Stahl GmbH
4. Elektrobit Automotive GmbH
5. Sony Europe B.V.
6. Wacker Neuson Beteiligungs GmbH
7. AUVA
8. Primetals Technologies Austria GmbH
9. Unicor GmbH
10. KEBA AG

Selected scientific partners (max. 5):

1. Johannes Kepler University Linz
2. Graz University of Technology
3. Software Competence Center Hagenberg
4. Profactor GmbH
5. University Graz

Selected international¹ partners (max. 5):

1. Technical University of Munich
2. University of Maribor
3. DFKI Kaiserslautern

Duration: 01.04.2017 - 31.03.2025 (8 years)

Staff employed at the Centre: >40 FTE, thereof >30 scientists

Management: DI Gerd Hribernic, CEO
Univ.-Prof. Mag. Dr. Alois Ferscha, scientific Director

Contact: Pro2Future GmbH
Altenberger Straße 69, 4040 Linz
+43 732 2468-4783
office@pro2future.at
www.pro2future.at

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The COMET Centre is funded within COMET – Competence Centers for Excellent Technologies – by BMK, BMAW as well as the co-financing federal provinces Upper Austria and Styria. The COMET programme is managed by FFG. www.ffg.at/comet

¹ Partners with headquarters outside Austria