



# Cognitive and Sustainable Products and Production of the Future



**Our name is our mission!**

We dedicate ourselves to research in the field of Industrial Information & Communication Technology, with special regard on the development of so called **Cognitive Products** and **Cognitive Production Systems**. Our research is deliberately aligned with ambitious and visionary targets and is oriented far beyond **Industry 4.0** and **Artificial Intelligence** right now. Expressed in simplified terms, we scientifically support industrial enterprises in their digitalization efforts using modern techniques, exploring recent technologies and novel methods.

**Products and Production Systems of the Future**

Products Production Future

Pro Pro Future

Pro²Future

**Our Research Agenda of five Areas**

Area 1	Perception and Aware Systems
Area 2	Cognitive Robotics and Shop Floors
Area 3	Cognitive Decision Making
Area 4.1	Cognitive Products
Area 4.2	Cognitive Production Systems

## Pro²Future

Pro²Future aims high in creating radically new innovations within the sphere of cognitive products and production systems in cooperation with over **35 Scientific Partners** and implementing them at more than **45 leading Company Partners**. Aiming for **Sustainable, Cognitive** and **Human-Centered** Products and Production Systems, our research agenda is underpinned with:



Pervasive AI



Causality



Explainable AI



Edge Analytics



Engineering for Distributed AI



Analytical User Guidance



Failsafe & Robust AI



AI for Sustainable Production

As a **COMET Centre** funded by the Austrian competence centres funding program COMET (Competence Centres for Excellent Technologies), Pro²Future is established alongside the axis Upper Austria – Styria. In these two industrially most-active provinces of Austria, we carry out industrial research co-operation at Linz and Graz. This allows for closely collaborating with our core partners **JKU University Linz**, and **Graz University of Technology**.

**Pro²Future GmbH**

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