

# COMET CENTRE (K1)

## COMPETENCE CENTER CHASE GMBH

### CHEMICAL SYSTEMS ENGINEERING

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**Logo:**



**Main location:**

Linz, Upper Austria

**Other locations:**

Vienna

**Thematic area:**

Material & Production

**Thematic focuses:**

CHASE is developing a new knowledge platform for the energy-, resource- and cost-intensive processes of the process industry. To this end, CHASE generates a highly networked spectrum of methods in three research areas:

- (i) Process Digitalization
- (ii) Process Intensification
- (iii) Circular Process Streams

**Planned realisation and outcomes:**

CHASE addresses the critical parameter spaces in time and space relevant scales in the industrial environment. The industrial chemical processes will be transferred to relevant and flexible scales (via existing and new pilot lines) and the chemical systems will be evaluated applying new process analytical techniques as well as hybrid models. The overall goal is to develop a digital twin describing the respective process chain in order to enable an efficient, flexible and predictive process management and control.

By combining the scientific competencies of JKU Linz, TU Vienna and other non-university research institutions, CHASE enables corporate partners to quickly enter efficient and sustainable production.

**History of establishment:**

CHASE builds on the successful COMET K-projects “PAC” (analytics and data analysis) and “imPACts” (process analytics and model development) and extends the methods portfolio in direction of a systemic approach towards chemical systems engineering (digitalisation, intensification, circularisation).

## COMET-FACTSHEET

### Selected company partners (max. 10):

1. Agrana
2. Bilfinger
3. Borealis
4. Engel
5. Erema
6. FACC
7. Greiner
8. OMV
9. Sappi

### Selected scientific partners (max. 5):

1. Johannes Kepler Universität Linz (JKU Linz)
2. SCCH Software Competence Center Hagenberg
3. TCKT Transfercenter für Kunststofftechnik GmbH
4. Technische Universität Wien (TU Wien)

### Selected international<sup>1</sup> partners (max. 5):

1. Covestro
2. Festo
3. Heraeus
4. Renolit

<b>Duration:</b>	1. April 2019 – 31. März 2027 (8 Jahre)
<b>Staff employed at the Centre:</b>	40 FTE, thereof 36 scientists
<b>Management:</b>	<ul style="list-style-type: none"><li>• MANAGING DIRECTOR Patrick Pammer</li><li>• SCIENTIFIC DIRECTOR Univ.-Prof. DI Dr. Christian Paulik</li></ul>
<b>Contact:</b>	Competence Center CHASE GmbH Altenberger Straße 69, A-4040 Linz office@chasecenter.at www.chasecenter.at

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The COMET Centre is funded within COMET – Competence Centers for Excellent Technologies – by BMK, BMDW as well as the co-financing federal provinces Upper Austria and Vienna. The COMET programme is managed by FFG. [www.ffg.at/comet](http://www.ffg.at/comet)

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