

COMET CENTRE (K1)

CDP CENTER FOR DIGITAL PRODUCTION GMBH

FORSCHUNGSPROGRAMM: CDP – AUSTRIAN CENTER FOR DIGITAL PRODUCTION

Main location: Vienna

Other locations: Dornbirn (Vorarlberg)

Thematic area: Materials & production



Thematic focuses

- Digital Engineering
- Digital Twins
- Adaptive Production Systems
- Process Model Bases Shopfloor Orchestration
- Production Data Analytics

Planned realisation and outcomes

Development of SW key components to support the highly automated production of small batches, procedures for predictive quality assurance (based on process data), SW platforms for ensuring the consistency of planning (documentation) and execution and for graphic programming of production systems, solutions for contextualizing and integrating production data, Methodologies for the use of AI in production data analysis.

History of establishment

The center was created on the initiative of the Department for Manufacturing Technology and Photonic Technologies of the Vienna University of Technology from the partner network that was formed in the course of the development of the “TU Wien Pilotfabrik Industrie 4.0”.

COMET FACTSHEET

Selected company partners (max. 10):

1. EVVA
2. HOERBIGER
3. EMCO
4. Kapsch
5. Doppelmayr
6. Klatt
7. BMW
8. plasmO
9. ATOS
10. Neuman Aluminium

Selected scientific partners (max. 5):

1. TU Vienna
2. University of Vienna
3. V-research
4. Vienna University of Economics and Business
5. FH Technikum Vienna

Selected international¹ partners (max. 5):

1. Georgia Tech
2. ETH Zürich
3. TU Munich
4. Volkswagen AG
5. NEMAK

Duration: 01.04.2017 - 31.3.2025 (8 years)

Staff employed at the Centre: 35 FTE, thereof 32 scientists

Management: DI Dr. techn. Christoph Pollak
Christian Schuckert

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¹ Partners with headquarters outside Austria