



Krakow (visitable at short notice)

SMART ENGINEERING AND RAPID PROTOTYPING

Central European network for innovation

SUMMARY

The 3DCentral project aims to connect islands of innovation into a stable network of regions for innovation. It focuses on smart engineering and rapid prototyping where a substantial cooperation of Central European (CE) partners for current and future emerging markets is visible, incorporating SME.

CURRENT SITUATION

Generally, there is a solid knowledge base in the CE area however, not enough structured and connected. This affects the efficiency of the regional development ecosystems. To tackle these challenges the 3DCentral project aims to establish and anchor a practicable, user-friendly, replicable and future robust system of new strong structures in particular for SME.

SOLUTION

The action lines of 3DCentral are Knowledge Axes for Central Europe (KACE), repeatable processes (CE Brain Base) and leading-edge flagship projects. The structures, processes and outputs are all transnationally oriented. The highly competent partners with strong networks link the relevant technology and innovation actors of smart engineering and rapid prototyping in CE. 3DCentral brings together project partners who represent technology hubs and expertise. All have an extensive network of organizations, companies, clusters, research institution. They have good access to good practice and can easily facilitate cooperation and competence enhancement.

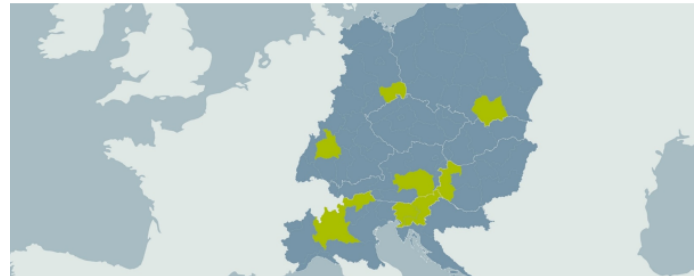
The KACE is conceived as modular system for knowledge management, cooperation and transfer. 11 KACE are identified by all partners which are integrating in regional and national strategies: Additive Manufacturing, 3D Design / Engineering/ Scanning/ Simulation, Smart and functional materials, Digital life, Technologies for sustainable manufacturing, Virtual and augmented reality for manufacturing, Value-added virtual supply chains, Smart Services, Robotics, Mechatronics, CE Brain Base. KACE action plans reflect partners and regions that interested. Transfer and training programs are in operation.

INDUSTRIE 4.0 – FEATURES

Industry 4.0 requires regional networking to become a success. 3DCentral connects several regions. Exemplarily, SME can access these partner and work on the Industry 4.0 KACE topics.



Catalyzing Smart Engineering & Rapid Prototyping



PARTNERS



PROJECT DESCRIPTION

The 3D Central landscape connects pool competences and resources in CE to achieve:

- Qualification of all relevant target groups (RTD partners, SME; companies) to improve skills and generate a common understanding (knowledge to practice level)
- Knowledge & Innovation transfer applications and cross-project benefits
- Transfer of “practices” is developed and identified by the partners. Activities in their participating regions
- Facilitation and support for the exploitation of the gained knowledge in each participating project region

CONTACT

Wojciech Przybylski
Krakowski Park Technologiczny sp. z o.o.
wprzybylski@kpt.krakow.pl

STANDARDIZATION APPROACHES

Several standards with respect to the 11 KACE topics are validated in regional use cases. This is made possible by the strong 3DCentral partner network.