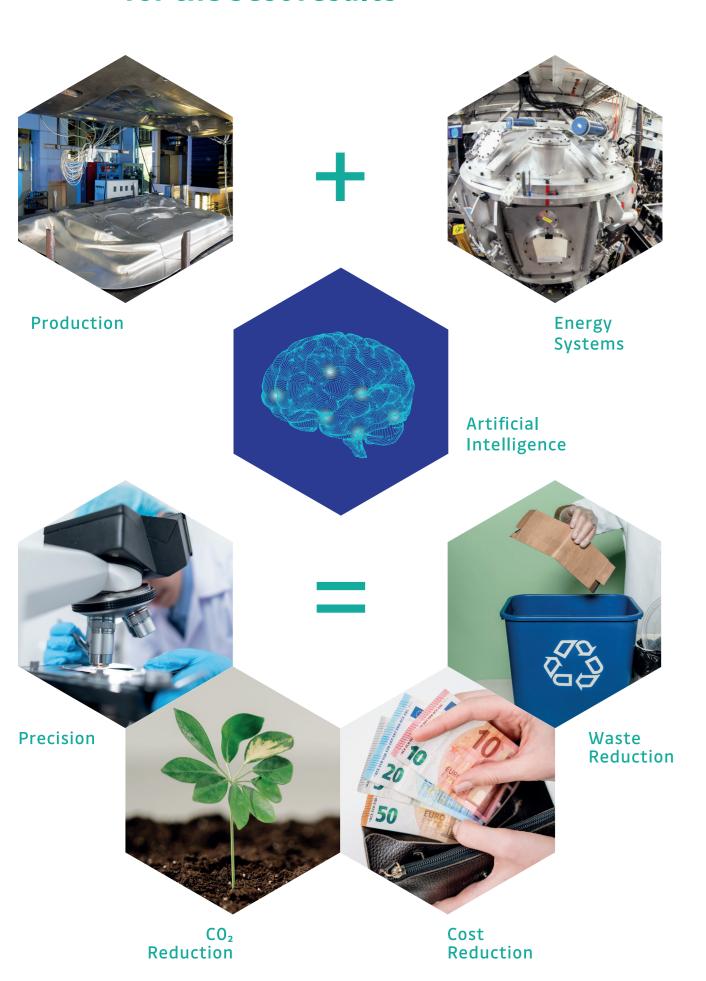
A simple equation for the best results





Fraunhofer Innovation Platforms are set up as long-term collaborations between Fraunhofer Institutes and universities or non-commercial research organisations around the world. With an initial term of five years, a FIP fosters the exchange of knowledge as well as the valorisation, transfer and commercialisation of scientific research output.



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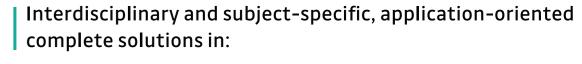
www.vsb.cz/fip-ai/en



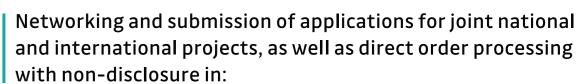








- Production
- Energy systems
- IT / Artificial Intelligence



- Germany
- EU and non-EU countries
- Expertise from two leading research institutions forming a single platform:
- Covering the entire industrial value chain
- Fast and technically excellent
- One contact point









VSB TECHNICAL OF OSTRAVA

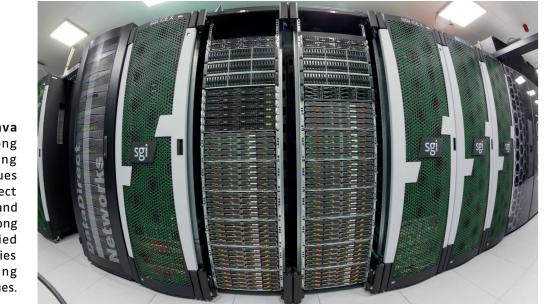
VSB - Technical University of Ostrava

is a Czech public university with a long tradition in high-quality engineering education and research. The core values have been continually updated to reflect current state of the art technologies and the needs of industry. VSB-TUO has strong links to industry and thrives on applied research, in cooperation with companies and institutions worldwide, in finding innovative solutions to modern day issues.

Study at VSB-TUO places an emphasis on practical training, using the latest software and instruments. The coursework is practically orientated, ensuring that graduates have gained the education and experience sought by employers the world over.

Research and Development is integral to the activities of VSB-TUO. The University's science and research strategy is based on four fundamental pillars:

- Engineering and Technology
- Computer Science and Cyber Physical
- Energy and Raw Materials
- · Economic and Financial Processes

















raunhofer Institute for Machine Tools and Forming Technology IWU

Fraunhofer IWU, a research institute of the Fraunhofer-Gesellschaft, the world's leading applied research organisation headquartered in Germany, is a driver for innovations in the research and development of production engineering. Around 670 highly qualified employees at Fraunhofer IWU's locations in Chemnitz, Dresden, Leipzig, Wolfsburg, and Zittau tap the new potential for competitive manufacturing in automotive and mechanical engineering, aerospace technology, medical engineering, electrical engineering, and precision and micro engineering. Fraunhofer IWU focusses on components, processes, methods, and complex machine systems - the entire factory. As the leading institute for resource efficient production, Fraunhofer IWU's objectives comprise technologies based on renewable energies, utilising novel information technologies and visualisation methods for humans guaranteeing success in tomorrow's factory.

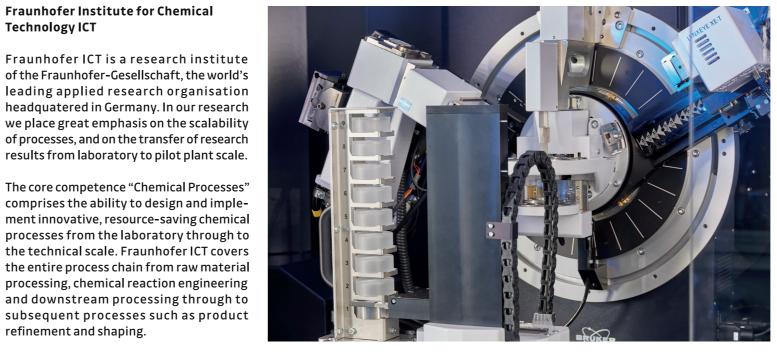


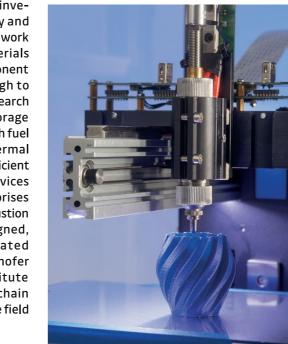


refinement and shaping.

Fraunhofer Institute for Chemical

Technology ICT



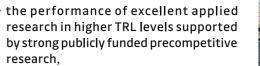






FRAUNHOFER INNOVATION PLATFORM FOR APPLIED ARTIFICIAL IN OR MATERIALS & MANUFACTURING AT VSB - TECHNICAL UNIVERSITY OF OSTRAVA

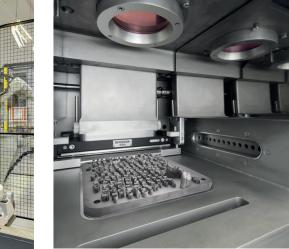




- technology transfer into industrial applications for industrial customers,
- acquiring research projects from industry, and
- efficient commercialisation of research







The FIP-AI@VSB-TUO builds on over five years of successful collaboration between the Fraunhofer Institute for Machine Tools and Forming Technology IWU, the Fraunhofer Institute for Chemical Technology ICT and VSB - Technical University of Ostrava (VSB-TUO).

The objective of the cooperation is to research and develop:

- Digital solutions for production
- · Optimised production technologies
- Innovative thermal energy storage
- systems for industrial applications Modular concepts for energy storage
- Heat recovery systems
- Integration in process chains
- · Further developed and highly specialised Al applications

For this ambitious initiative, the partners each contribute their own expertise:

VSB-TUO in the areas of artificial intelligence and next generation computing, Fraunhofer ICT in materials research and energy systems, and Fraunhofer IWU in manufacturing technology and production. The bundling of these competencies enables the partners to offer particularly powerful solutions for the entire industrial value chain.