UNIVERSITY
OF WEST BOHEMIA

Ostbayerische Technische Hochschule
Amberg-Weiden

Ziel-ETZ: Freistaat Bayern –Tschechische Rebuplik 2014-2020 (INTERREG V), Project 053

Cross Border R&I Network for Energy Efficiency and Combined Cold Heat and Power

Přeshraniční síť pro výzkum a inovace v oblasti energetické účinnosti a kombinované výroby tepla a elektřiny

Grenzüberschreitendes F&I Netzwerk für Energieeffizienz und Kraft-Wärme-(Kälte)-Kopplung

Ziel ETZ | Cíl EÚS
Freistaat Bayern –
Tschechische Republik
Česká republika –
Svobodný stát Bavorsko
2014 – 2020 (INTERREG V)

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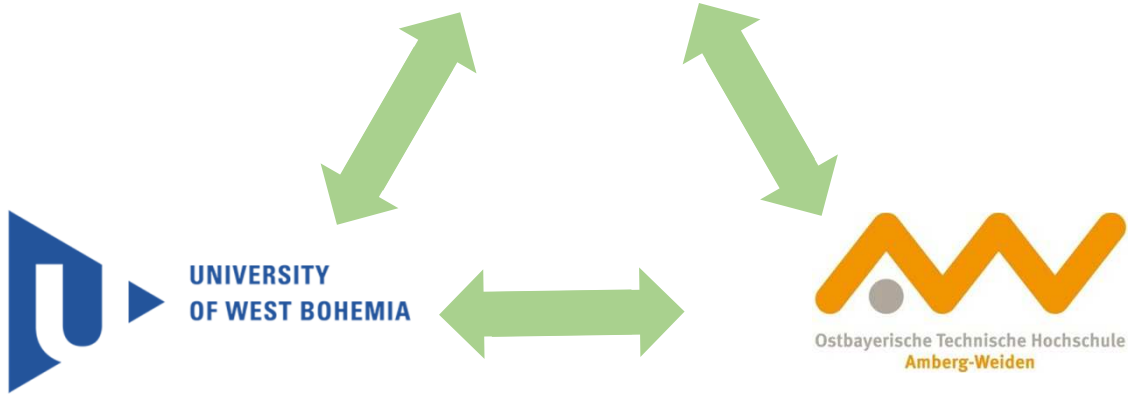
Europäische Union
Evropská unie
Europäischer Fonds für regionale Entwicklung
Evropský fond pro regionální rozvoj

Project History

Project Partners & Approach

6 successful SMEs in the border region working in energy technologies



Classical university, well experienced in advanced CAE – & advanced additive manufacturing- methods

Faculty of Mechanical Engineering: 5-6 senior researches + 4 new junior researchers

Young, small university used to close collaboration with industry, well experienced in experimental methods & measurement techniques

Faculty of Mechanical & Environmental Engineering: 4 senior researches + 2 new junior researchers

Project Contents & Visions

What brings us together, what do we have in common?

- Renewable Energies
- Energy Efficiency (EE)
- Combined Cold Heat and Power Systems (CCHP)

What is our project vision?

- To build up a cross border R&I network for EE & CCHP in order to strengthen sustainably the R&I capabilities and thus the competitiveness of our SME partners.

The goal is the way – or vice versa?

Project Contents & Goals

Founding and establishing a growing and self developing R&I network

- 1-2 workshops a year including all partners
- defining work packages and working teams which meet 3-4 times a year
- common regular reporting (i.e. half a year), common publications
- public workshops

Sustainable implementation of advanced CAE-methods within SME partners

- conducting numerical investigation of existing or future geometries
- common analysis and interpretation of results
- suggestions for improvements , reports

Sustainable implementation of advanced experimental methods within SME partners

- conducting experimental investigation of existing geometries
- common analysis and interpretation of results
- suggestions for improvements , reports

The goal is the way – or vice versa?

Recent Synergy Effects of the Project

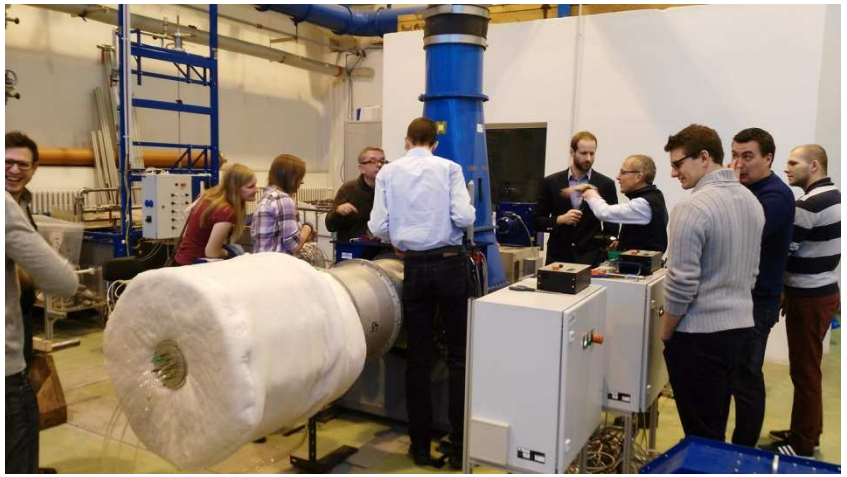
1st Czech Bavarian Winter School „Energy Conversion in Turbomachines“

- 21st&22nd November at Amberg, 5th & 6th December at Pilsen
- Participants: 8 Czech, 1 Hungarian and 7 German students

vbw Die bayerische Wirtschaft

STUDY & WORK INTERNATIONAL

Bavarian State Ministry of Education, Science and the Arts



Project application „New Materials in Additive Manufacturing“ in „Bayerisch-Tschechische Hochschulverbünde/Česko-bavorská výzkumná konsorcia“

- University of West Bohemia, University of Ostrava, OTH & Fraunhofer UMSICHT
- Deadline 23.12.16

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Thank you for your attention

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