



UNIVERSITY
OF APPLIED SCIENCES
UPPER AUSTRIA

Pacesetter in Applied Sciences

Prof. Dr. Johann Kastner | 04th February 2015
FH OÖ Research & Development

HAGENBERG | LINZ | STEYR | WELS

Studies for the future in Upper Austria

University of Applied Sciences: FH Upper Austria

- Internationally recognized degrees
(Bachelor: 180 European credits / Master: 120 European credits)
- Close co-operation with industry (more than 1,000 partners)
- Degree programmes include internships/fieldwork and R&D project work
- Students from 60 different countries
- More than 200 partner universities from all around the world
- 5500 students
- 13.8 million € R&D Turnover in 2014



Hagenberg – Linz – Steyr – Wels

Four Faculties – Four Campi



HAGENBERG Campus

**Informatics,
Communications
and Media**



LINZ Campus

**Applied Health
and Social Sciences**



STEYR Campus

Management

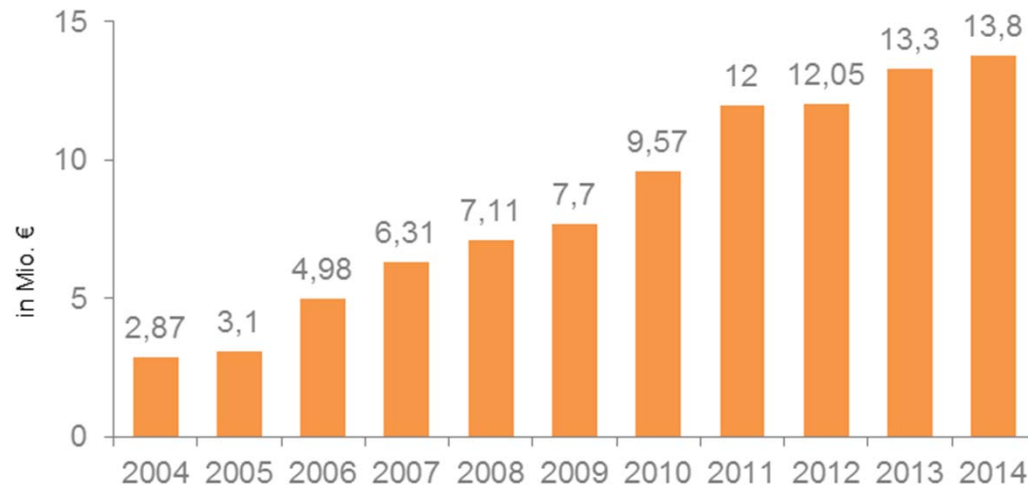


WELS Campus

**Engineering
and Environmental
Sciences**

Austria's leader in applied Research & Development: 4 Research Centers

- € 13.8 million R&D turnover in 2014
- About 210 professors and 200 research associates involved in R&D
- 325 ongoing R&D projects
- More than 600 R&D partners from industry and society (of which 140 are international partners)
 - E.g. BMW, BRP, Airbus, Eurocopter, FACC
 - Fronius, Infineon, MAN, Microsoft, NXP, etc.



Austria's leader in applied Research & Development

15 main areas of research

Campus Hagenberg

- Software Technology and Applications
- Information and Communication Systems
- Media and Knowledge Technologies
- Quality of Life for the Elderly

Campus Wels

- Automated Control Engineering and Simulation
- Bioenergy and Food Technology
- Energy and the Environment
- Innovation and Technology Management
- Materials and Production Engineering
- Measuring and Testing Technology

Campus Steyr

- Logistics Management and Corporate Network – LOGISTIKUM
- Production and Operations Management
- Digital Business
- Fields of competence in Management

Campus Linz

- Applied Social Sciences and Non Profit Management
- Medical Technology
- Quality of Life for the Elderly

R&D partnerships with universities



Contacts all around the world

More than 200 Partner Universities



- **Incoming students: About 230**
- **Outgoing students: About 290**

Partnering with industry – one of our major assets



Participation FH Upper Austria in FP7

- **12 ongoing EC FP7 projects and 1 new Horizon 2020 project**
- **Coordination of 5 projects:**
 - QUICOM - Quantitative Inspection of Complex Composite Aeronautic Parts Using Advanced X-ray Techniques, 12 partner, 2012-2015
 - NanoXCT - Compact X-ray computed tomography system for non-destructive characterization of nano materials, 10 partner, 2012-2015
 - Idea Garden - An Interactive Learning Environment Fostering Creativity, 8 partner, 2012-2015
 - Flashed - Flexible Large Area Sensors for Highly Enhanced Displays, 6 partner, 2013-2016
 - SCComplexity - Supply Chain Complexity, Marie Curie project, 2014-2015



Idea Garden



FLASHED



**Quantitative Inspection of Complex Composite
Aeronautic Parts Using Advanced X-ray Techniques**

Mission statement

- „...to take the next big step in quality control and development of new advanced composite components for the aircraft of the future.“

Main goals

- QUICOM technology platform for non-destructive testing methods
- More economic, greener and safer aircraft industry
- Quality assurance

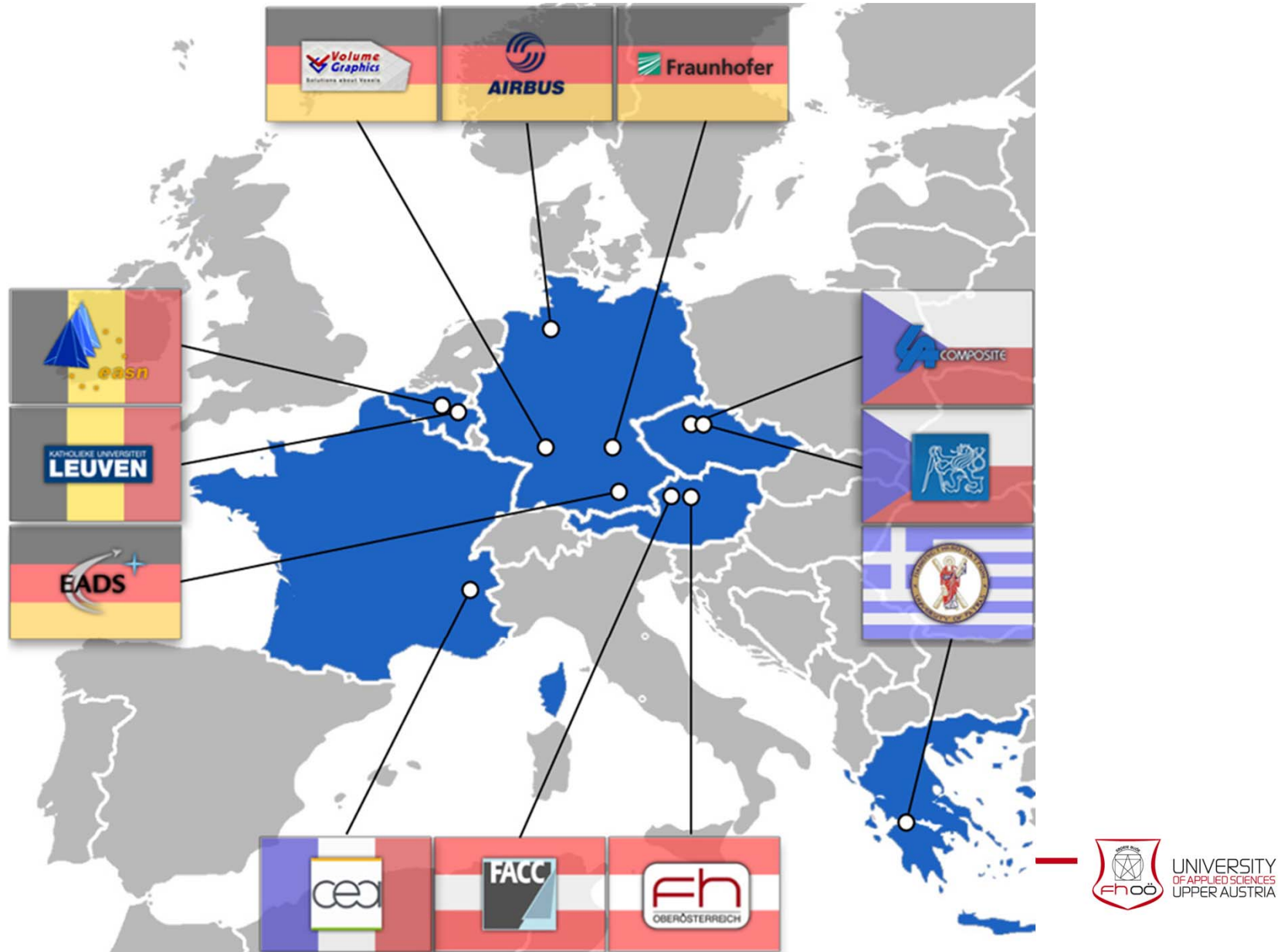
Funding programme

- FP7 – AAT Aerostructures Transport incl. Aeronautics



The research leading to these results has received funding from the European Union under grant agreement n° 314562.

QUICOM – Consortium: 12 partner



H2020 Focus by calls

Research, Development & Innovation

- ICT
- NMP
- MSC (Marie S. Curie)
- GALILEO
- FoF (ICT, logistics and supply chain, production optimization)
- DS (digital security)
- MG (Mobility for growth)

For further Information

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