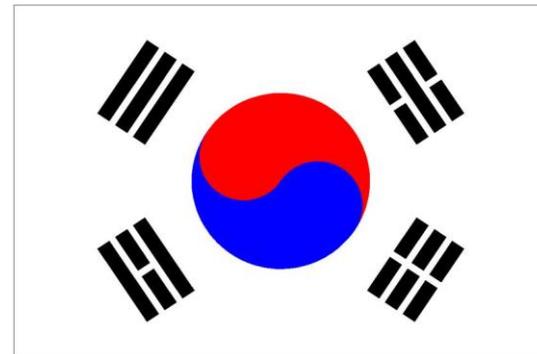


# Welcome to the Aachen Region





## AGIT the economic Development agency of the Aachen region

- Support the economic development of the region Aachen
- Advising companies on establishment, growth and relocation
- Improving conditions for the successful development of the regional focus industries through networking

Our objective is to strengthen the economic structure  
the Aachen region

# Shares and Shareholders



City of Aachen



Aachen County



Economic development  
Aachen County



Düren County



Euskirchen County



Heinsberg County



Chamber of industry  
and commerce Aachen



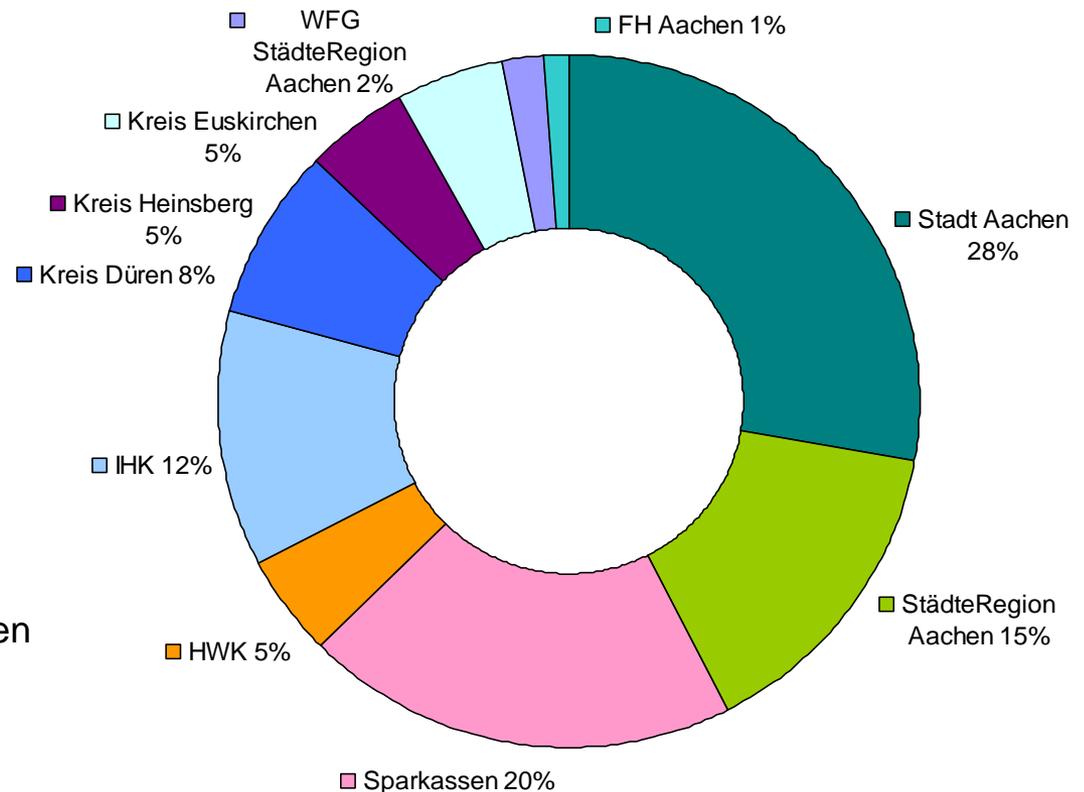
Chamber of  
Handycraft Aachen



University of  
Applied sciences Aachen



Sparkassen  
local saving bank



# Economic Development



## Core Business

AGIT supports companies who wish to settle in the Aachen region.

## Department

Location promotion and inward investment

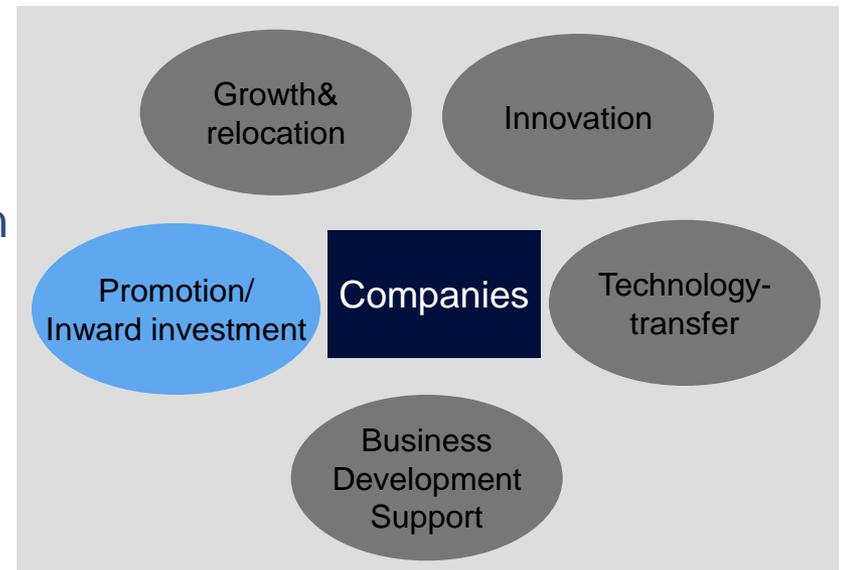
AGIT advertises the Aachen region for potential investors in Germany and abroad. AGIT is also partners for companies and institutions that are interested in the Aachen region.

The support ranges from site selections

Provision of general and specific information

Organization of site visits

Providing of potential partners in the region.



# The Aachen Region at a glance



Where tradition meets future

Where internationality meets home country



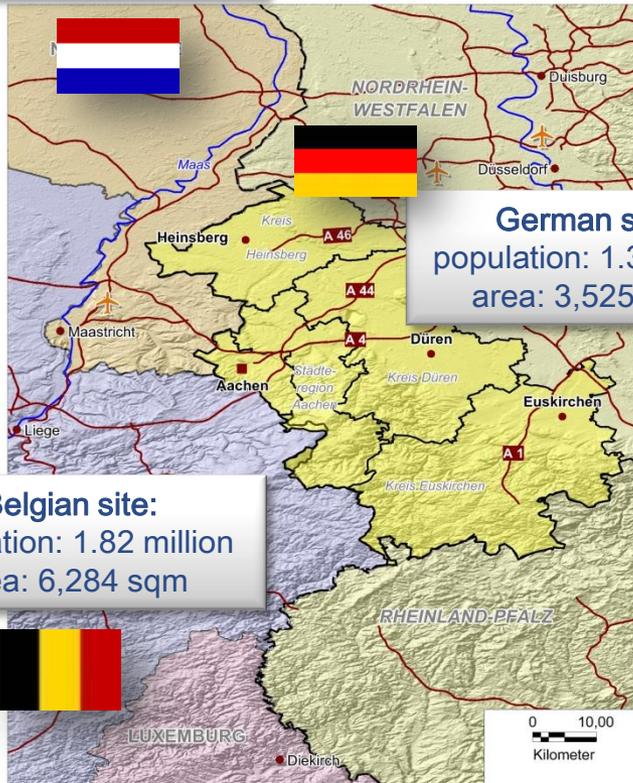
# The Aachen Region at a glance



population 3.9 million  
pop. density 362 inh./sqm  
GDP 86.5 billion €  
Workforce 1.7 Millionen

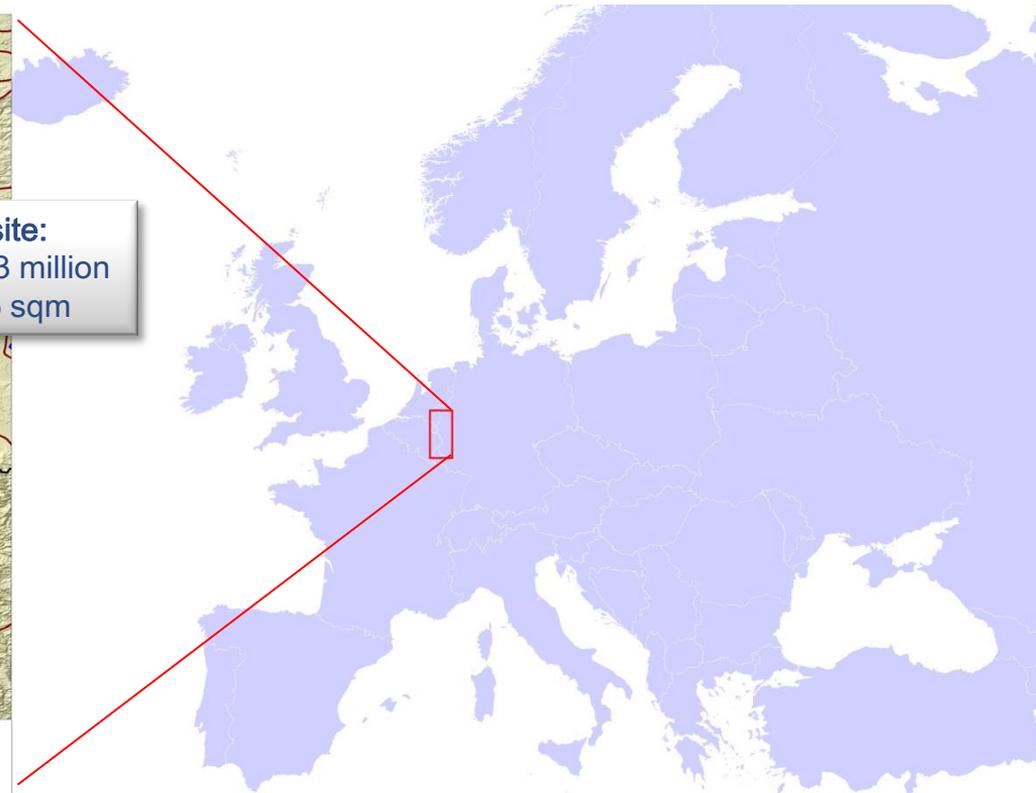
(3 languages & 5 cultures)  
companies 250,000  
universities 6 (92,000 students)  
thereof:  
RWTH Aachen: 37,900 students  
FH Aachen: 11,300 students

**Dutch site:**  
population 0.64 million  
area: 983 sqm

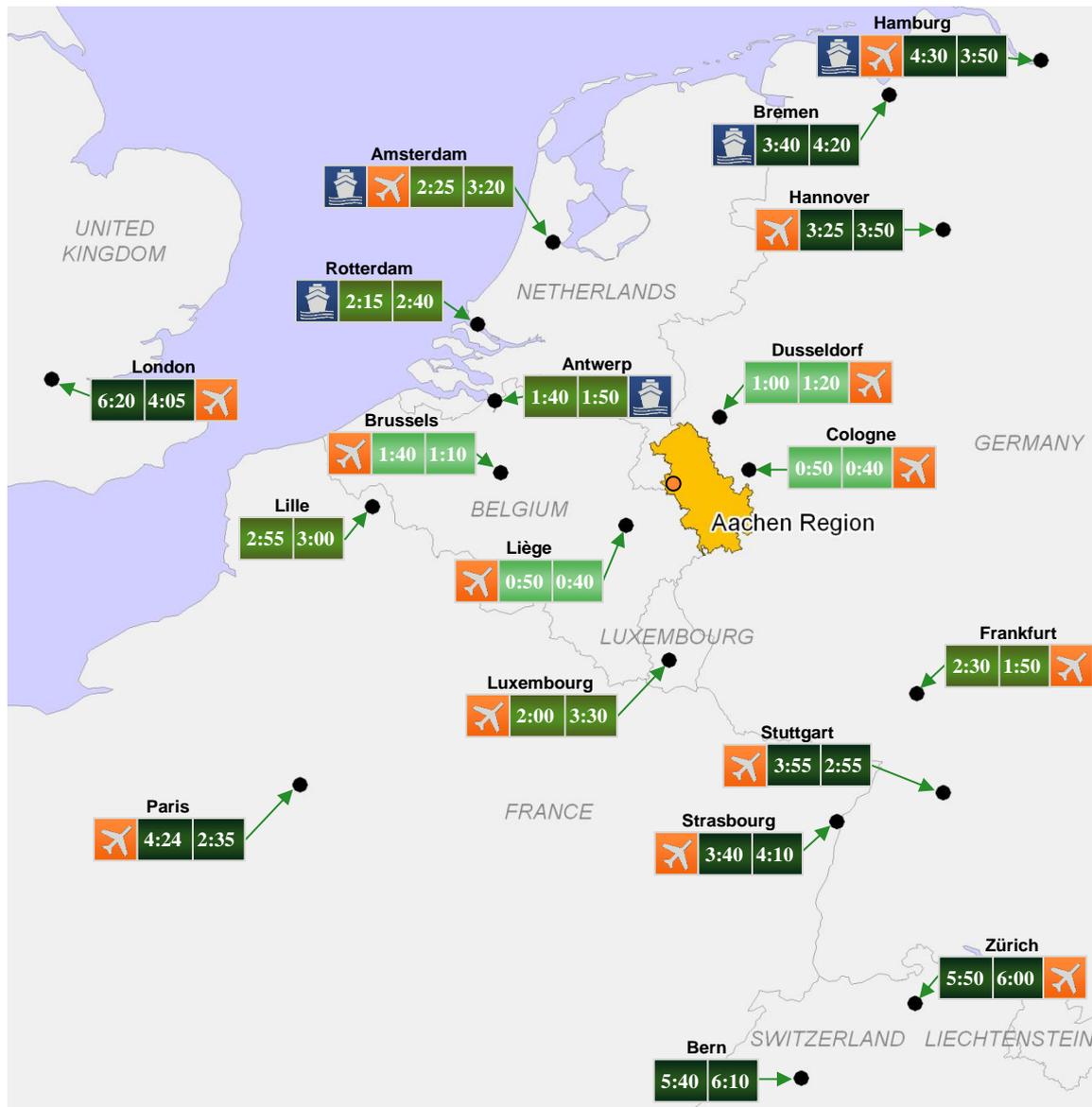


**German site:**  
population: 1.3 million  
area: 3,525 sqm

**Belgian site:**  
population: 1.82 million  
Area: 6,284 sqm

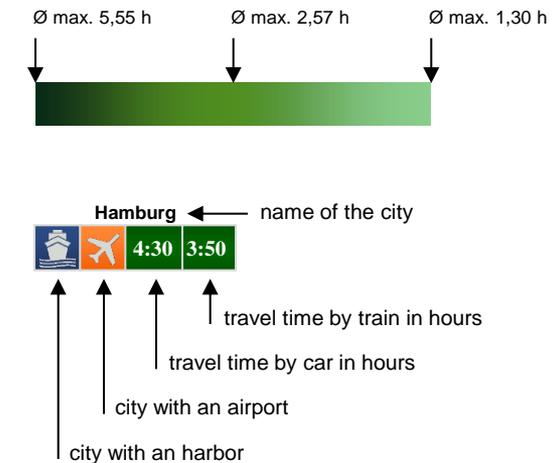


# The Aachen Region at a glance

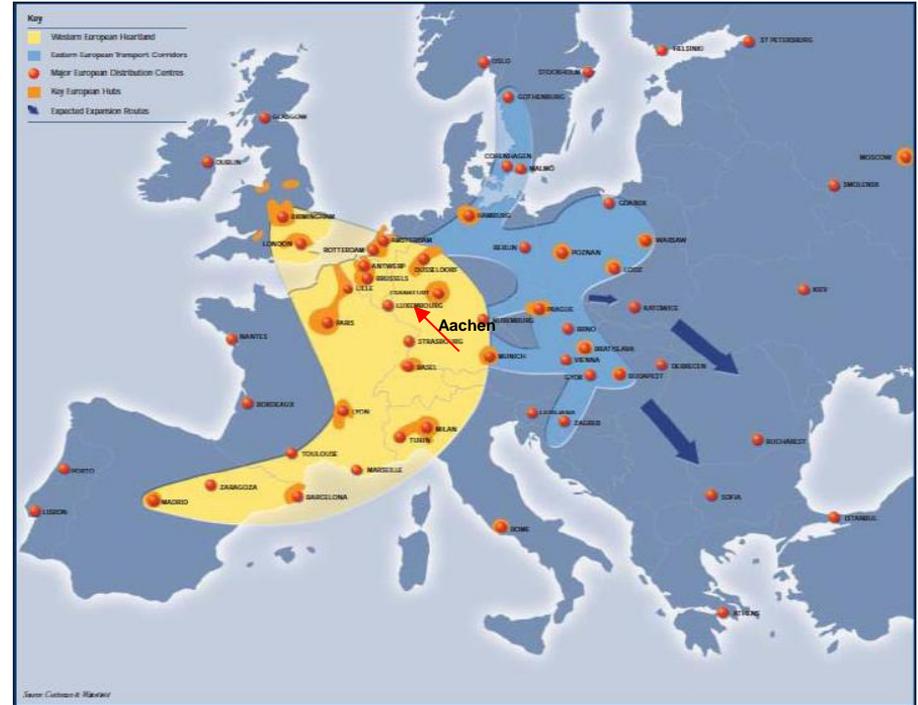
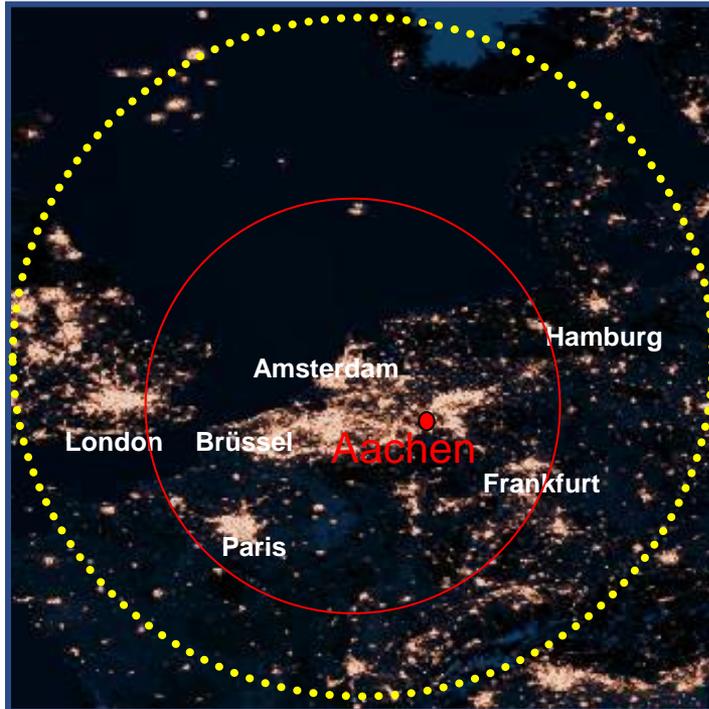


Excellent transport conditions in the heart of Europe

## Legend



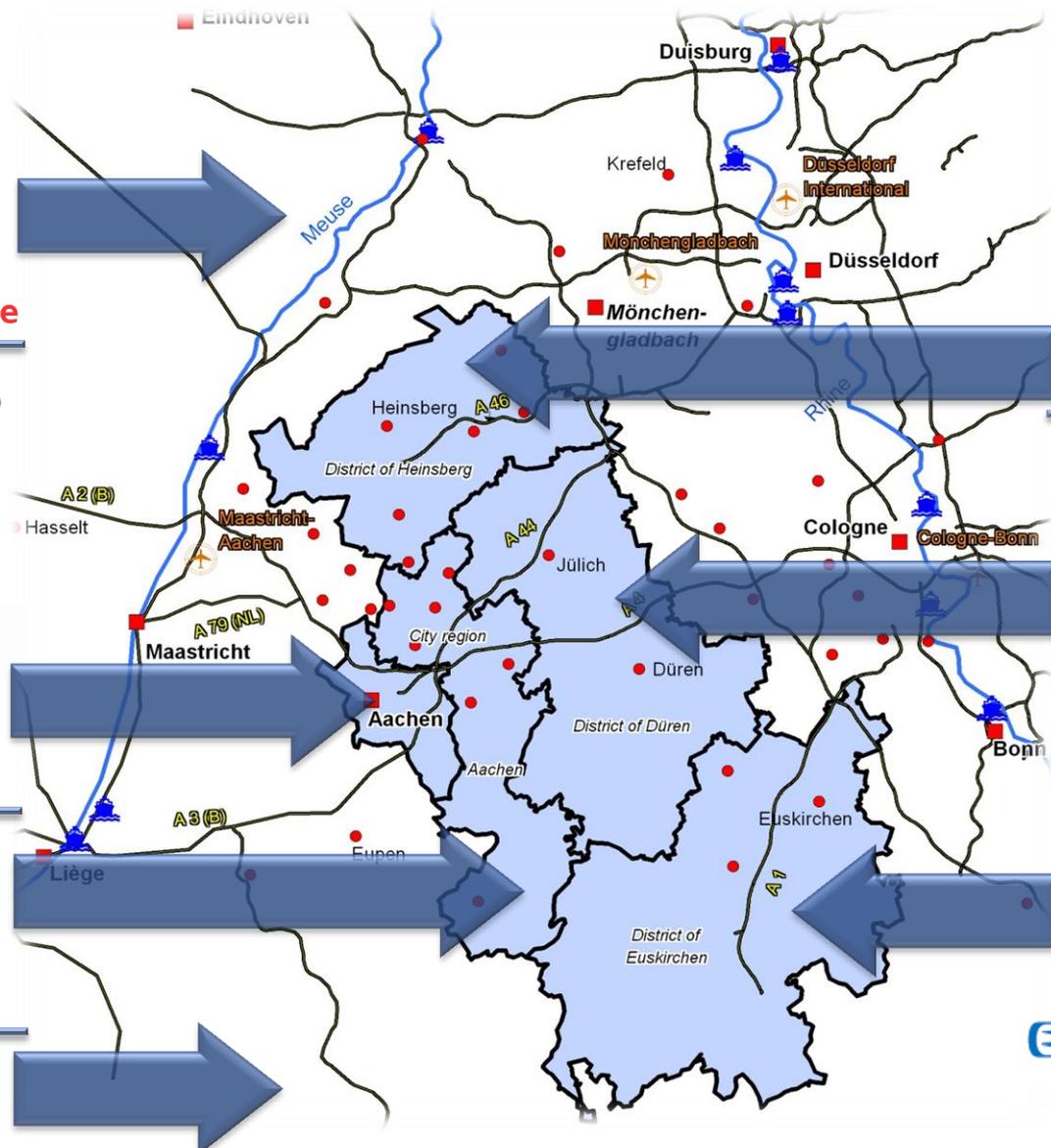
# The Aachen area – In the heart of western Europe



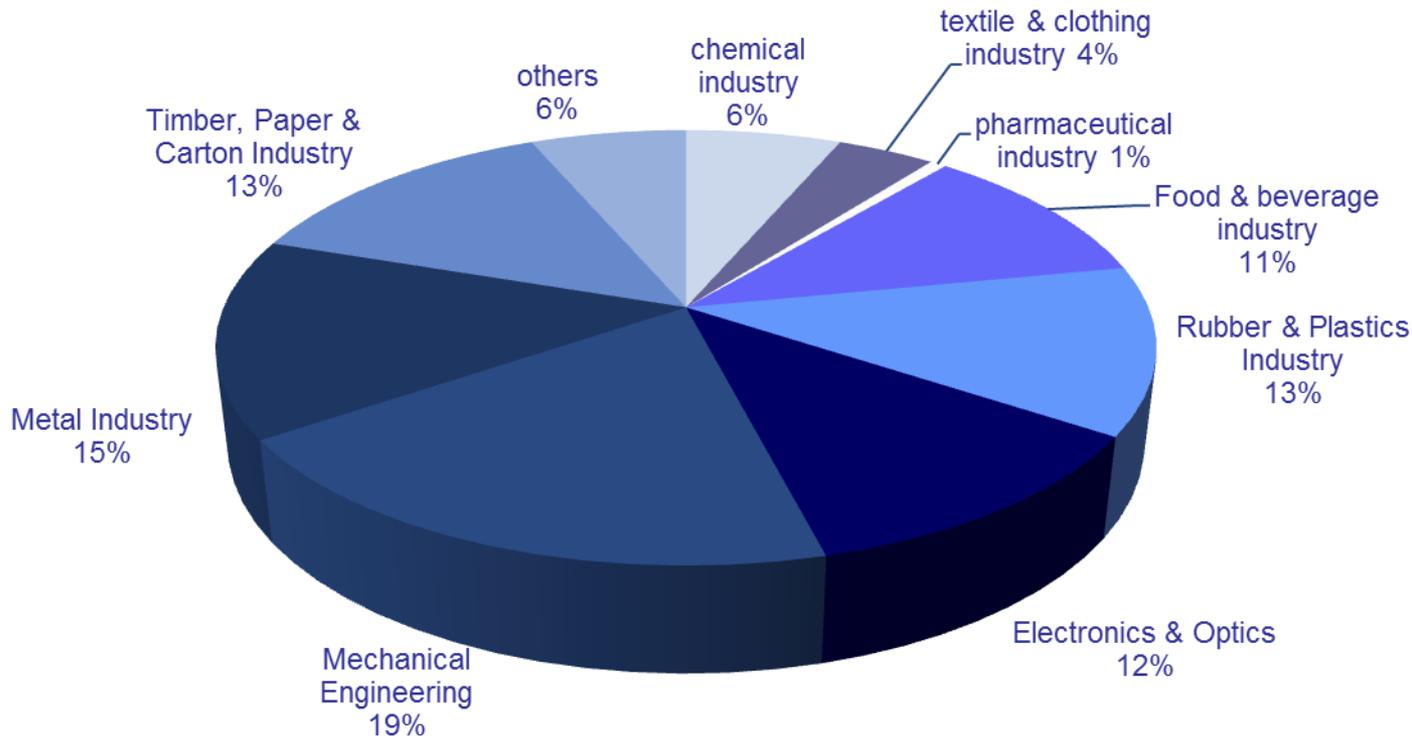
About 100 million people can be reached by road within 4 hours  
25% of the total economic power in the European Union

**A perfect place to meet customers and business partners!**

# Companies in the Aachen region



# The Aachen region - major industrial branches\*

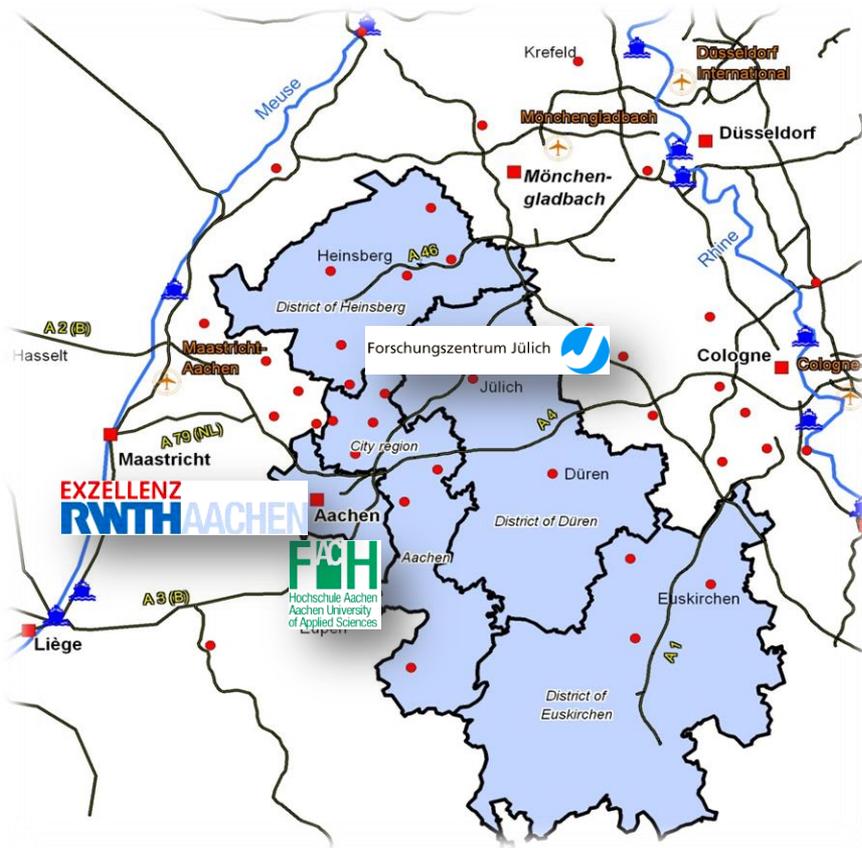


Share of employees in industrial branches: 20,3% (Agriculture: 1,2%; services: 78,5%)

Source: LDS NRW, Statistik regional, 31.12.2010 \* on basis of employees



# Universities & research landscape



**RWTH Aachen** (Aachen University), One of the leading technical Universities in Europe with 37,900 students, 40 percent are enrolled in engineering science subjects. More than 3,300 graduates p.a. and 700 doctor degrees p.a.

**FH Aachen**, one of the largest universities of applied sciences in Germany with 11,300 students and 1,530 graduates p.a. 12.2 million euros third-party funding. A leading German university of applied sciences doing research activities.

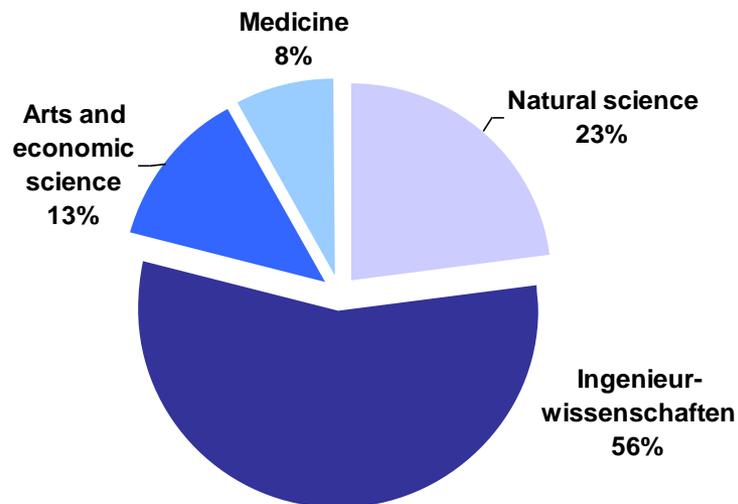
**Forschungszentrum Jülich**, largest interdisciplinary research centre in Germany with a scientific staff of 1,300.

RWTH Aachen University is with 315 mio. euros one of the leading third-party funding-attractor of all German Universities

- Budget: 748 Mio. €
- Third-party funding: 315 Mio. €
- Affiliated institutes: 35 Mio. €

- 480 Professorships
- 260 Institutes
- thereof 20 big institutes and 4 Fraunhofer Institutes

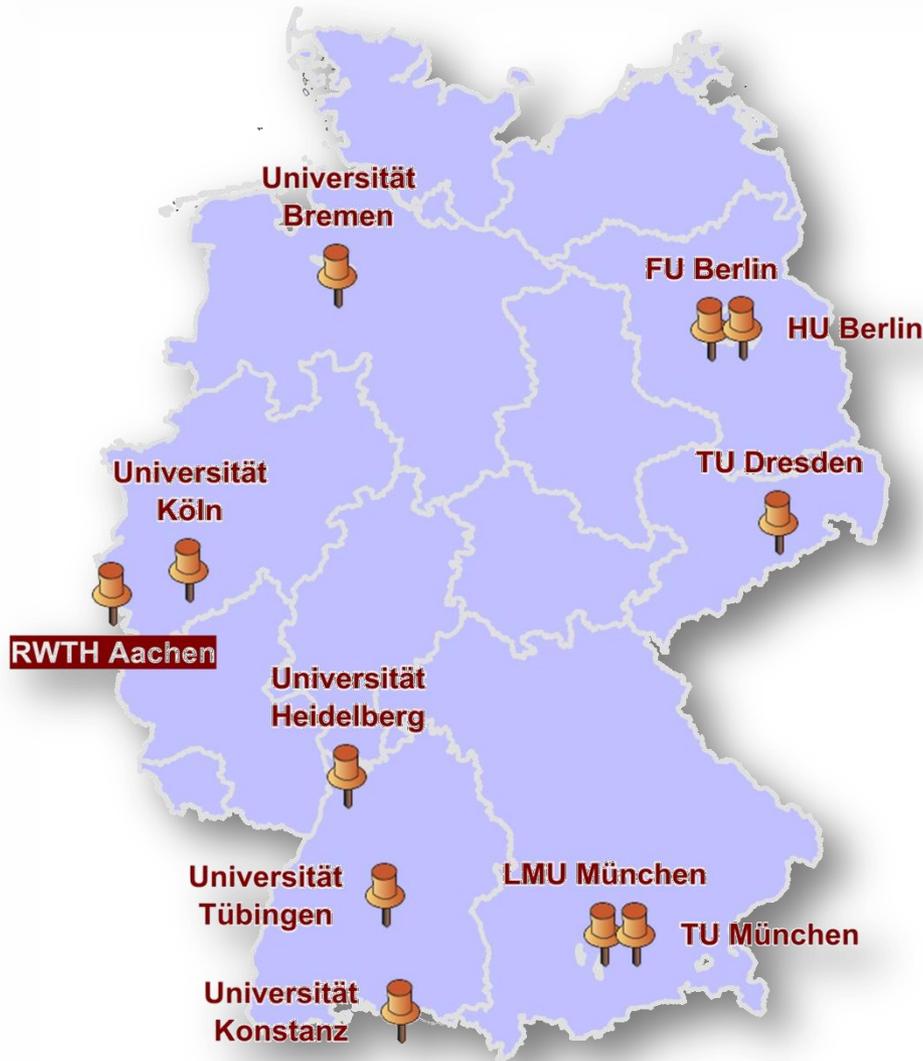
- 13 Affiliated institutes
- 9 Research training groups
- 37,900 Students



# German Universities Excellence Initiative 2012



The RWTH Aachen is one out 12 German universities bearing the title “university of excellence”.



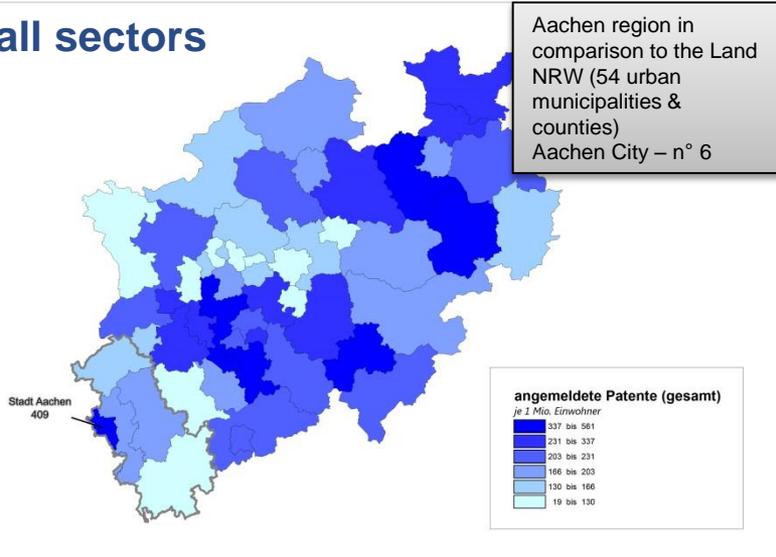
**EXZELLENZ**  
**RWTHAACHEN**



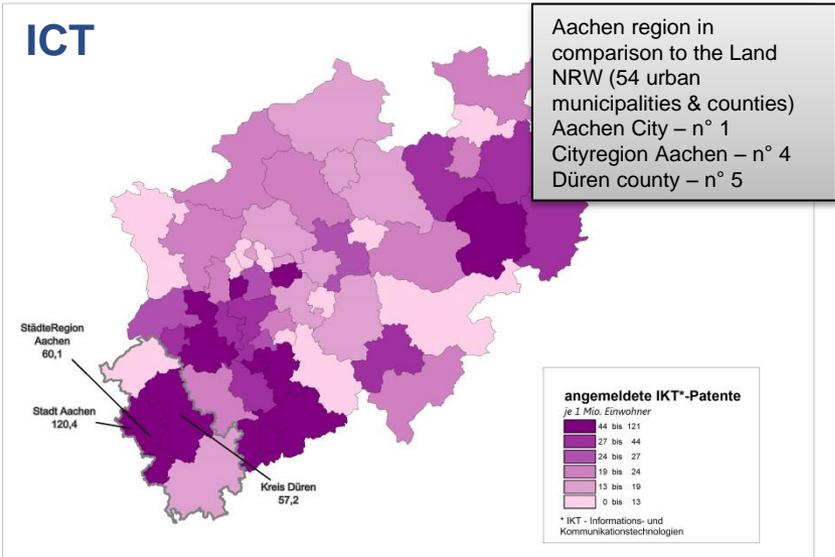
# Patent applications in NRW & the Aachen region



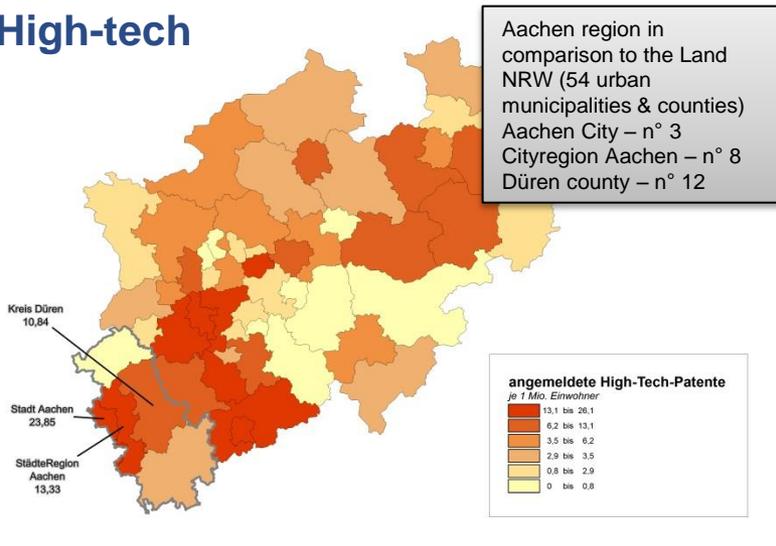
## all sectors



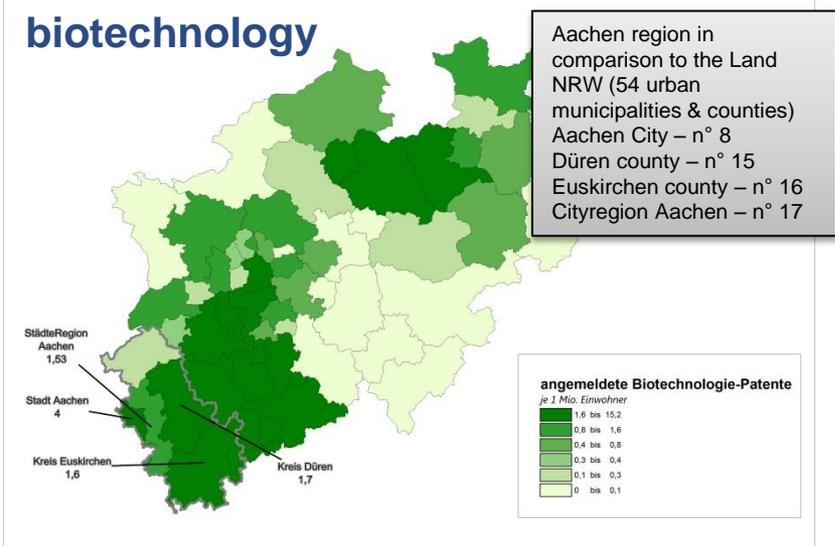
## ICT



## High-tech



## biotechnology



# Already departments and their cooperation with the industry mark the uniqueness of RWTH Aachen University



Interactive Materials Research



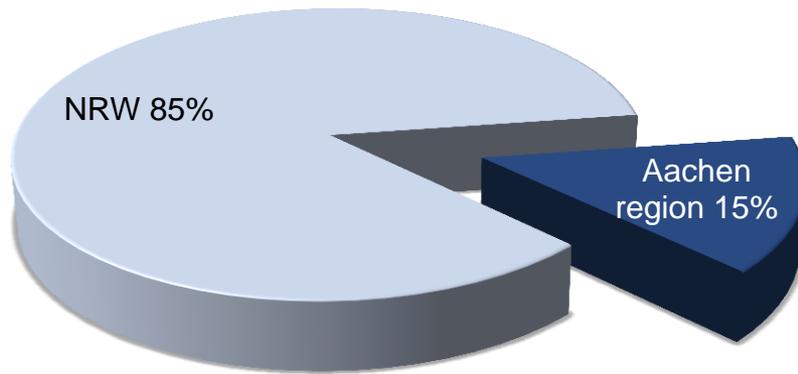
No other university in Europe provides more applied big-departments than RWTH Aachen University

# The Aachen region strong in R&D

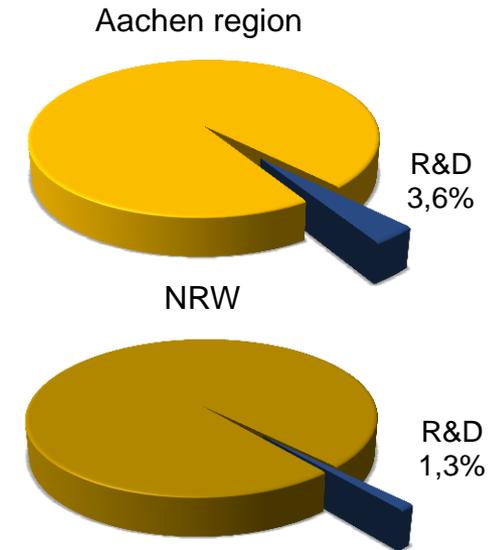


In Germany, the Aachen Region is one of the regions with the highest density of R&D institutions. In the field of R&D, one out of six employees in North Rhine-Westphalia works in the Aachen region. These 13,000 employees working in the R & D sector represent more people than in any other of the five major industries in the Aachen region.

Share of R&D staff in the Aachen region



Share of employees in the field of R&D – Aachen region vs. NRW



## Private R&D centres (examples)

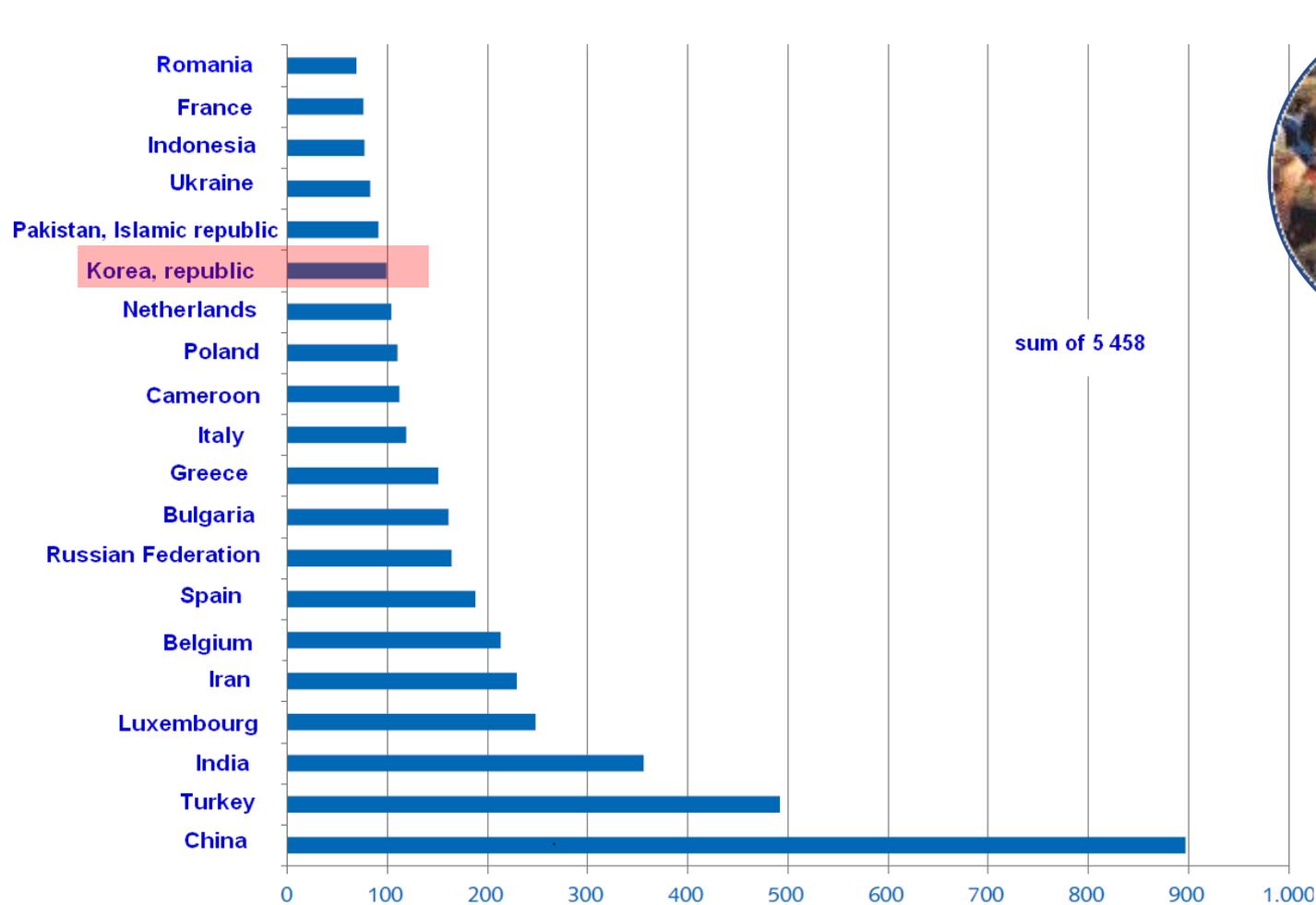
**Microsoft** | Innovation Center Europe

**PHILIPS**



**ERICSSON**  **DENSO** **FEV**<sup>®</sup>

# International students – RWTH Aachen



# Ranking of German universities



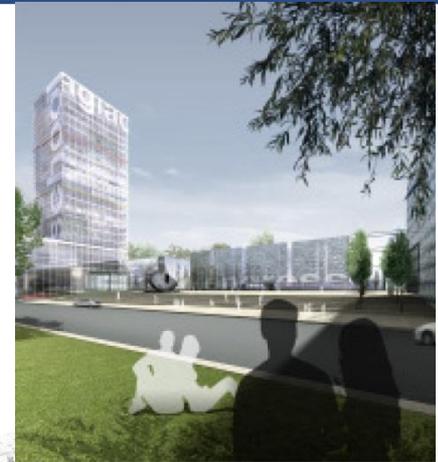
	Informatics	Computer science in economics	Industrial engineering	Electrical engineering	Mechanical engineering	Natural sciences
1	Uni Karlsruhe (KIT)	TU Munich	RWTH Aachen	RWTH Aachen	RWTH Aachen	RWTH Aachen
2	RWTH Aachen	TU Darmstadt	Uni Karlsruhe (KIT)	Uni Karlsruhe (KIT)	Uni Karlsruhe (KIT)	TU Munich
3	TU Munich	Uni Mannheim	TU Darmstadt	TU Munich	TU Munich	Uni Karlsruhe (KIT)
4	TU Darmstadt	TU Ilmenau	TU Berlin	TU Darmstadt	TU Darmstadt	LMU Munich
5	TU Ilmenau	Uni Cologne	TU Ilmenau	TU Dresden	TU Dresden	TU Darmstadt
6	TU Berlin	TU Dresden	TU Dresden	Uni Stuttgart	Uni Stuttgart	TU Berlin
7	LMU Munich	Uni Erlangen-Nürnberg	TU Braunschweig	TU Ilmenau	TU Ilmenau	TU Heidelberg
8	TU Dresden	Uni Münster	TU Kaiserslautern	TU Kaiserslautern	TU Berlin	TU Dresden TU Braunschweig

# Universities & research landscape

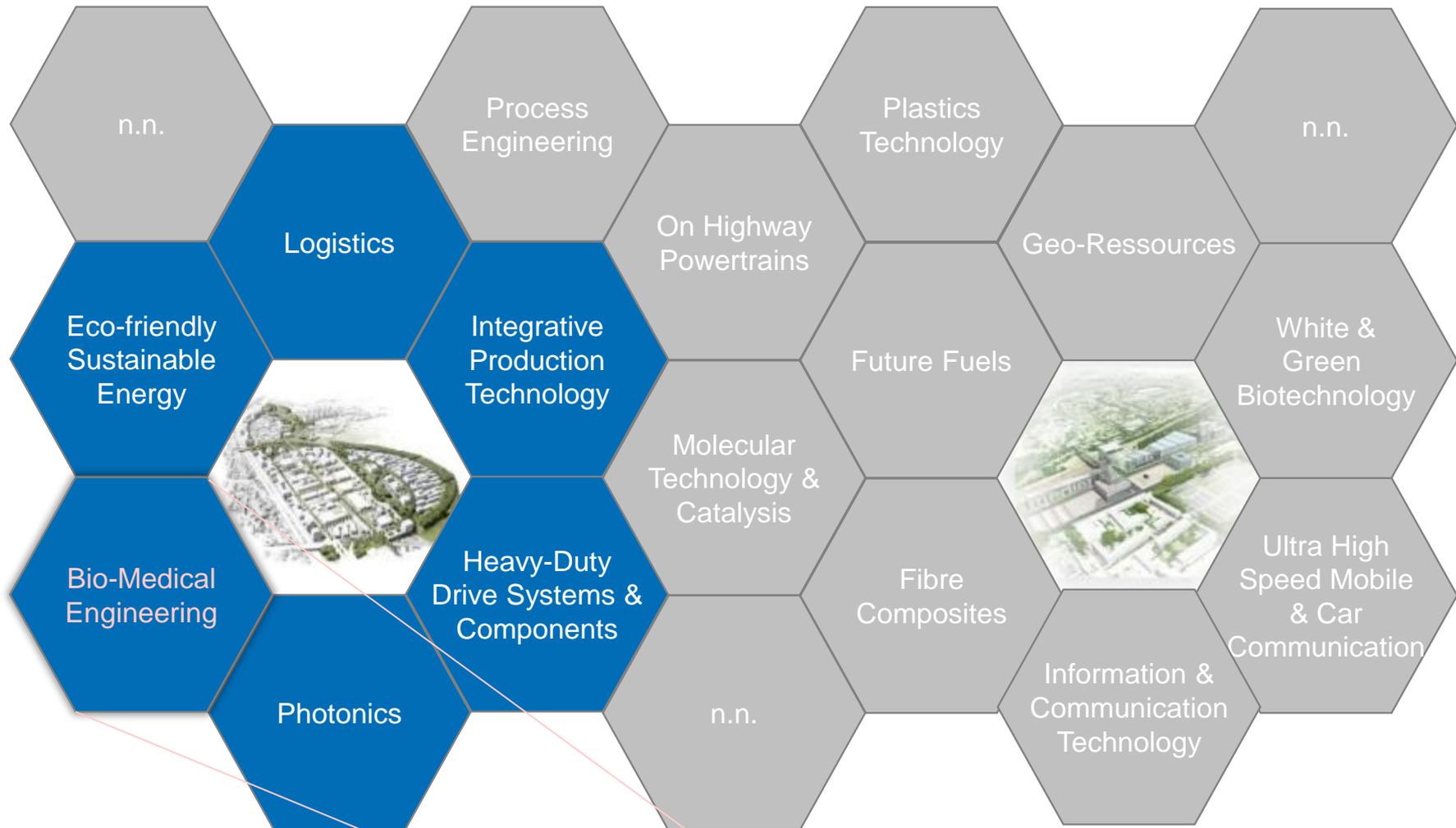


## RWTHAACHEN Campus

- R&D centre of international importance (area 800,000 sqm)
- „Enrollment“ as a unique form of cooperation between companies and university
- Creation of space for companies in direct neighbourhood of the research instituts
- about 10,000 new job opportunities for highly skilled workers
- total investment: 2 billion €
- Developing one of the largest technology-oriented campus areas in Europe



# The RWTH Aachen Campus – Research clusters



Prof. Dr. Thomas Schmitz-Rode  
 Dr. Robert Farkas  
 Institute for Applied Medical Engineering - AME

Legend: = initial cluster = scheduled cluster

# Company research activities



## Research activities in the field of automotive technology (examples)

### Ford R&D centre (FFA) –

Ford Research Centre was founded in Aachen in 1994 and is the only Ford Motor Company research location in the world outside of the US. Its workforce has grown to about 250 employees from over 25 nations around the globe working on sustainable and safe mobility.



<http://www.ford.de/UeberFord>

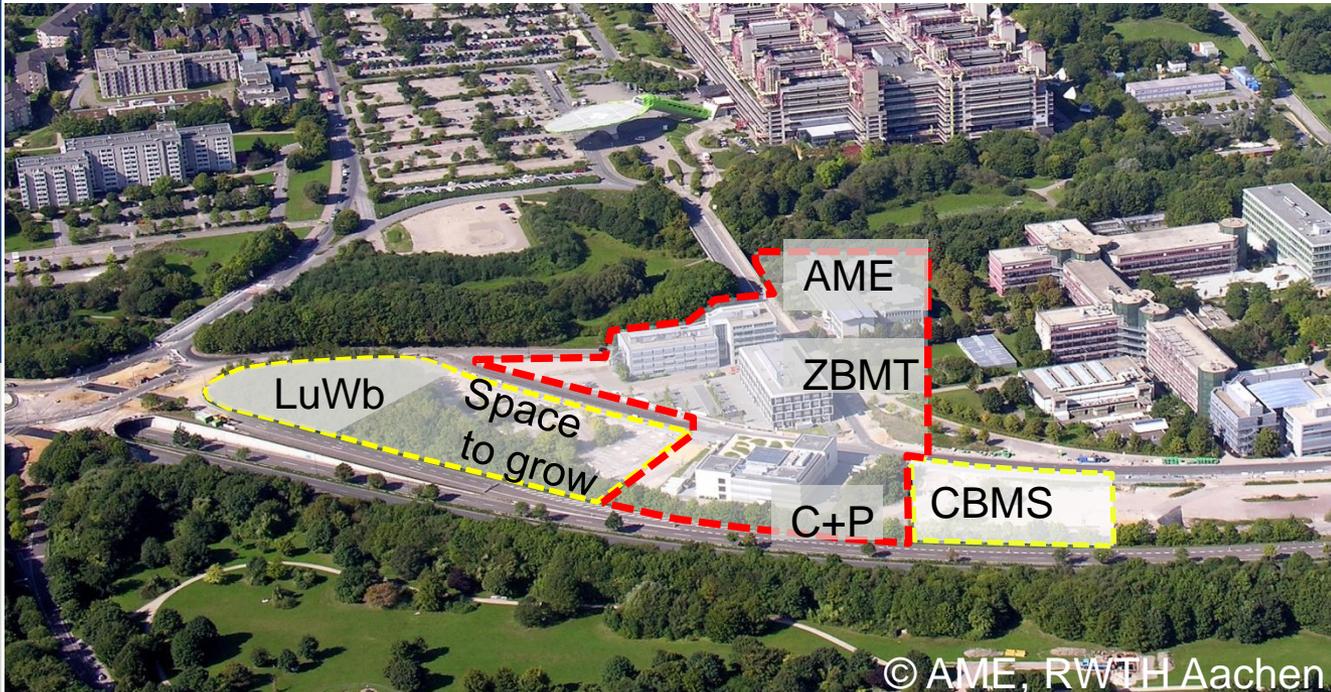
**FEV Motorentechnik GmbH** – Founded in 1978 as a spin-off company from the RWTH, today FEV employs a staff of over 2,500 highly skilled research and development specialists on several continents. FEV is an internationally recognized leader in the design and development of powertrain technologies.



<http://www.fev.com>



# RWTH Cluster Bio-Medical Engineering - at a glance



-----planned      -----stock

## ZBMT

Center for Biomedical Technologies

## CBMS

Center for Biohybrid Medical Systems

## LuWb (ETCIM)

European Training Center for Innovative Medicine

## C+P

Carpus & Partners

## AME

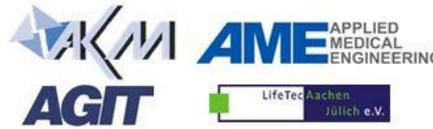
Institute for Applied Medical Engineering  
at Helmholtz Institute for Biomedical Engineering

# Major Topics (1)



## Patient customized engineering for smart cardiovascular therapy

### Heart & Lung Support



### Personal Health Care



### Image Guided Therapy



### Imaging & Implants



EUROPÄISCHE UNION  
Investition in unsere Zukunft  
für regionale Entwicklung

Ziel2.NRW  
Regionale Wettbewerbsfähigkeit und Beschäftigung

# Major Topics (2)



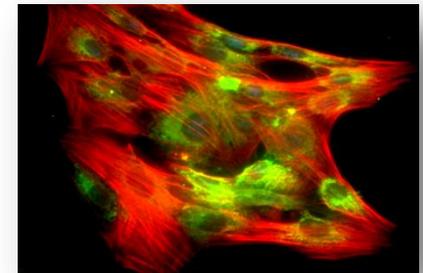
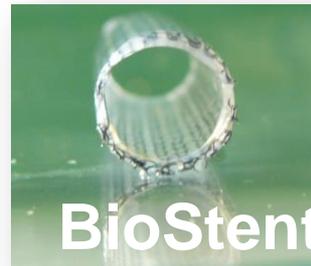
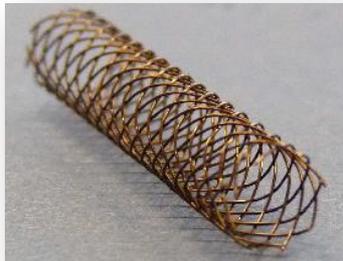
Bio-functionalized  
implants

**„Biologized“  
implants**

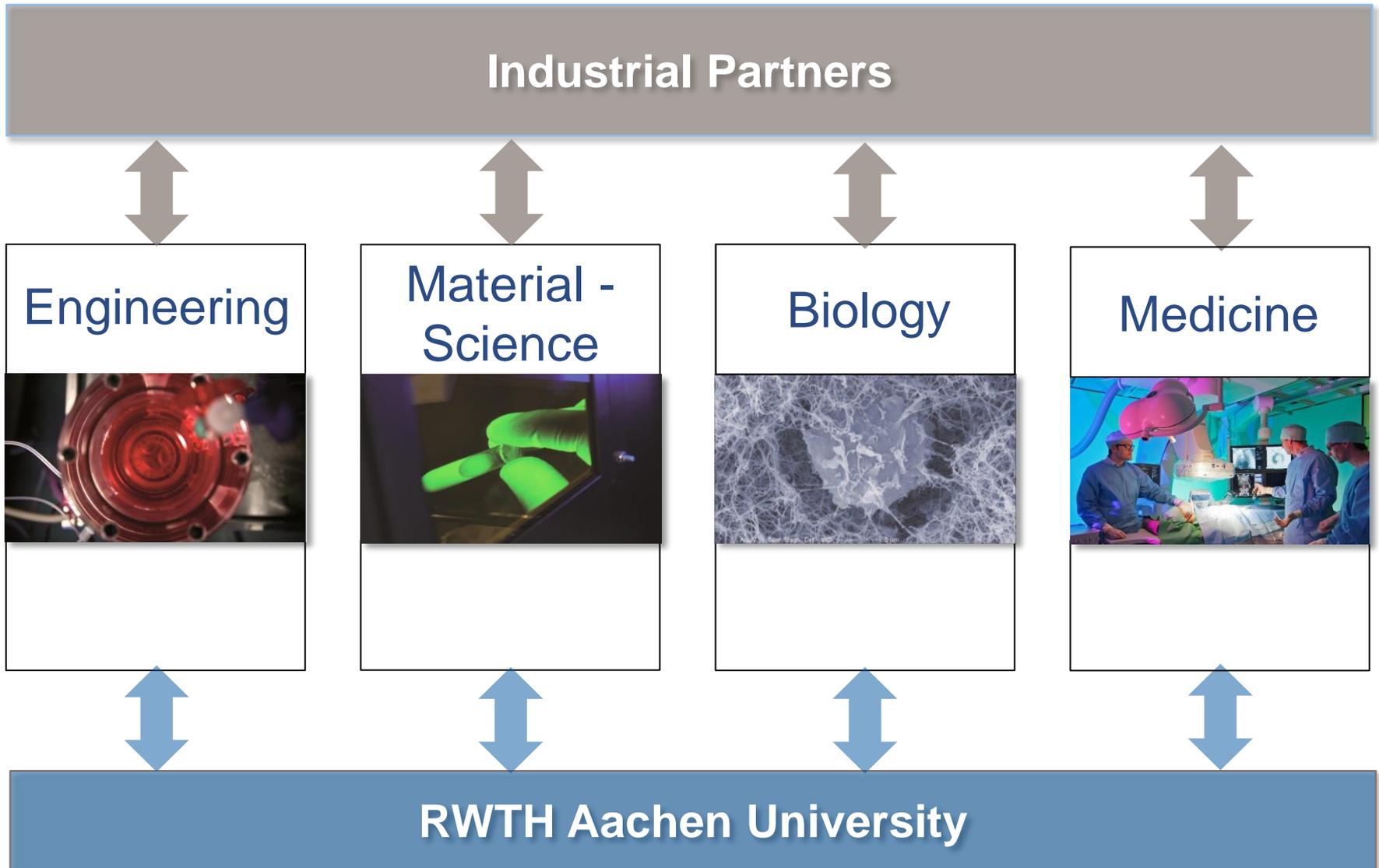
Biological  
Implants

Technical components

Cellular components



# Applied Research as an Exchange of Knowledge





## From the idea to the final product

The Aachen Competence centre for medical engineering (AKM) supports the cooperation between research institutes, clinics and companies.

The objectives of AKM:

- Information transfer
- Providing cooperation partners
- Promotion of young scientists and research in the field of medical engineering.

To reach its aims AKM works with concentrated competence in the implementation of the idea “Medical Technology - From the feasibility study to market maturity”.

These aims are achieved with the extensive network of members and promoters.

AKM can provide the right partner in the Aachen Region

- To make business
- To make research and development



Technology fields:

Life sciences (including medical engineering/ biotechnology)

Information & communication technologies

Automotive & rail technologies

Innovative production technologies

New materials



*These technology fields reflect the regional competences in R&D at companies and the universities*

# Cluster initiatives in the Aachen region

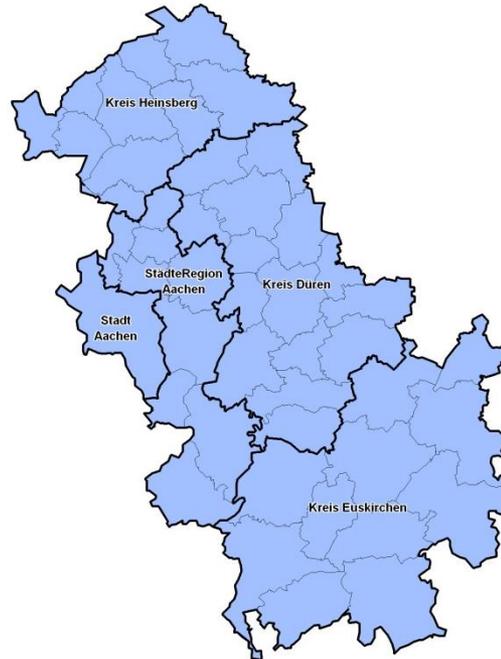


Supported and connected by AGIT

Innovative  
Production Technology



Modern Materials



Life Sciences



Automotive Technology



Information &  
Communication  
Technologies



# A strong and important network



City of Aachen Department of Economic Development / European Affairs



## Frank Leisten

Division manager Inward investment  
AGIT mbH

Dennewartstraße 25-27  
52068 Aachen

Tel.: +49 – 241- 9631050

Fax: +49 – 241- 9631052

Mail: [f.leisten@agit.de](mailto:f.leisten@agit.de)



## Peter Gier

Consultant Inward investment  
AGIT mbH

Dennewartstraße 25-27  
52068 Aachen

Tel.: +49 – 241- 9631052

Fax: +49 – 241- 9631033

Mail: [p.gier@agit.de](mailto:p.gier@agit.de)