

# **Introduction WZL of RWTH Aachen – Department Business Development**

**Laboratory for Machine Tools and Production  
Engineering WZL of RWTH Aachen University**

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**27.11.2019 | Namur, Belgium**



# Excellence in Teaching and Research




## RWTH Aachen University and Fraunhofer-Gesellschaft



### RWTH Aachen University





-  Founded in 1870
-  44.517 students

### Faculty for mechanical engineering

-  12.573 students
-  66 professorships
-  3.067 employees
-  227 doctorates



### Fraunhofer-Gesellschaft

-  67 institutes and institutions
-  24.000 employees
-  Research volume over €2 billion
-  3 institutes in Aachen



# A Unique Research Landscape – the Engineering Valley

Building and exchanging knowledge...



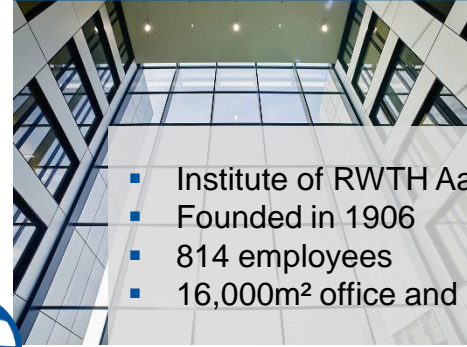
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...between research and industry

## Laboratory for Machine Tools and Production Engineering WZL



- Institute of RWTH Aachen University
- Founded in 1906
- 814 employees
- 16,000m<sup>2</sup> office and lab space

## Fraunhofer Institute for Production Technology (IPT)



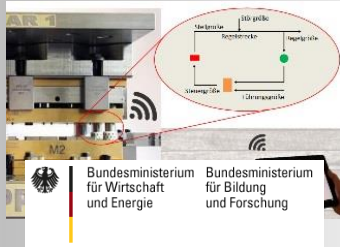
- Institute of the Fraunhofer-Gesellschaft
- Founded in 1980
- 459 employees
- 9,000m<sup>2</sup> office and lab space
- Certified according to DIN EN ISO 9001:2008

**Companies, institutes and the university share resources, utilize synergies and jointly conduct research on sustainable innovations**

# Department Business Development

## Focus on strategy, digital transformation and small batch production

### Projects



**SeMeSta**  
Development of a self-learning mechatronic punching tool

Bundesministerium für Wirtschaft und Energie | Bundesministerium für Bildung und Forschung



**PrioTisch**  
Interactive order management on the shop floor

Bundesministerium für Wirtschaft und Energie | Bundesministerium für Bildung und Forschung



**E-Mas**  
Education export to the Mexican automotive industry

Bundesministerium für Wirtschaft und Energie | Bundesministerium für Bildung und Forschung

### Prototypes



**GPS localization**



**Virtual and augmented reality**



**Digital order management**

### Partners



**We work on research & consulting projects, develop & exhibit prototypes and collaborate with many different partners**

# Department Business Development

## We are looking for partners, use cases and project ideas

### What we are looking for?

#### New contacts & partner:

- Industrial companies
- Research institutes

#### Collaboration in digital transformation:

- I4.0-use cases and applications for an optimization of internal value adding
- Mutual development of smart services & databased business models

#### Ideas for potential projects:

- Common application for public funded research projects
- Bilateral industrial projects

### What do we offer?

- **Expertise** in the fields of strategic development, digital transformation & production management (especially small batch production)
- **Experience & know-how** in executing research and industrial projects
- **Applied research environment, testing areas & networking platform**



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