Joint Infrastructures as Elements for Sustainable Strategic Partnerships

Going Forward – Strategic Partnerships as a Driver for Internationalisation | Berlin, 18 April, 2016

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KIT successful in both DAAD Programme Lines

- Thematic Networks: CLICS
- Strategic Partnerships: StratP China
KIT successful in both DAAD Programme Lines

- Thematic Networks: CLICS
- Strategic Partnerships: StratP China

KIT in the Jiangsu Province and the Shanghai Metropolitan Region
KIT China Strategy

Research

Strategic partnerships

Join complementary expertise and infrastructure

Innovation

Faster knowledge transfer between partners

Recruit talented researchers and students

Collaborative generation of innovations

Education

Include latest research results into lectures

Innovation

Education

Research
Strengthening bilateral Partnerships

- Nanjing University of Science and Technology – **NUST**
  Material Science and Nanotechnology

- Tongji Universität Shanghai – **TUS**
  Mobility Systems and Production Science

- Soochow University – **SUDA**
  Production and Social Science

- Shanghai Jiao Tong University - **SJTU**
  Biotechnology, Material Science and Engineering
Establishing an Interdisciplinary Research and Innovation Platform

- Establishing and Enhancing of an Innovation Network
- Intensifying active Partnerships
- Involving Start-ups and Entrepreneurs along the Strategic Axes Shanghai – Suzhou – Nanjing
- Sustainable Continuation after initial DAAD Funding Phase
Sustainability of Strategic Partnerships

Within KIT

With Partners

Research
Teaching
Innovation
Sustainability of Strategic Partnerships

Within KIT

- Kick-off Meeting May 2015
- Partners‘ Fair May 2015
- Match-making activities
- Close and steady contact with professors
- Close Cooperation with KIT PR Department
  - regular newsletters, reports in KIT publications and on KIT website
- Regular Milestone Workshops
Development of StratP with close Participation of Institutes and Researchers

Cooperation Data Base
Stakeholders
General Setup and Framework Conditions
Potential

Prioritisation of Demands
Roadmap & Resources

Concept

Analyses

Interdisciplinary Research and Innovation Platform
KIT China

DAAD Project „StratP China“

02/2014 – 12/2018

DAAD Programme „Strategic Partnerships and Thematic Networks“

2012/13

2013/14

Implementation

2014/15

2015/16

2016/17

2017/18

2018/19

2019/20
Sustainability of Strategic Partnerships

- Kick-off Meeting May 2015
- Visit of KIT President at all Strategic Partner Universities in April 2015
- Defined Project Coordinators at each Strategic Partner University → close contact
- Close and steady contact with professors
- Joint Alumni Seminars
- Joint Research Agendas
- Joint Infrastructures
Sustainability of Strategic Partnerships

Activities 2015

Strategietreffen: 12
Workshops: 6
Forschungsaufenthalt: 6
Studienaufenthalt: 4
Konferenzen: 2
Sustainability of Strategic Partnerships
KIT – wbk Institute of Production Science – AMTC and GAMI

Research | Education | Innovation

Manufacturing and Materials Technology | Machines, Equipment and Process Automation | Production Systems

Advanced Manufacturing Technology Center | Global Advanced Manufacturing Institute
**GAMI - Global Advanced Manufacturing Institute**

**Applied research**
- International research platform
- Development of production and product structures for local requirements
- Design of global production networks
- Resource-efficient supply chain

**Consulting for German companies**
- Supplier development, global sourcing
- Production process optimization
- Increase in efficiency by Lean Methods

**Further education/training/coaching**
- Production management training
- In-house training, workshops
- Coaching, scouting
- Sino-German student exchange programs
- USP: Team including Chinese engineers trained in Germany (mainly at KIT)

**General Information**
- Founded in 2008
- Headquarter at Suzhou

**Employees**
- Engineers ~ 20
- Administration ~ 4
- Students ~ 5

**Suzhou**
Wisdom Center, Moon Bay
**Information and Offers**

**Teaching**
- Continuing education and training for engineers
- Dual-master-degree programme with the KIT and the Tongji university

**Research**
- Applied research in the field of production technology with a particular focus on the requirements of the Chinese market
- PhD program for non-Chinese employees of companies operating in China.

**Technological Exchange**
- Bilateral projects with companies operating in China

**General Information**
- Founded in 2012
- Location: Jiading Campus of the Tongji University

**Employees**
- Professors ~ 3
- Engineers ~ 4
- Students ~20
Opening Ceremony in May 2014
Goals

- establish sustainable networks with partners from the SIP and the Higher Education Town for joint projects and activities
- increase visibility and empower activity of KIT in Suzhou / surrounding region
- assure the flow of talented recruits by implementing additional training and course programs on-site
- set up a beneficial frame for joint activities

KIT China Branch build up on existing structures and activities (GAMI/Silu) and a strong partnership with SIP and Jiangsu /Baden-Württemberg
Application-oriented Trainings, Consulting and Research
Long-term vision for other KIT modules

KIT China Branch (400 m²)

Industry 4.0 Innovation Center (500 m²)

For Rent

For Rent (300 m²)
Setting Tongi / KIT

Suppliers / Partner

Potential industrial partners:
- Schaeffler, Bosch, Brand, Kern, Liebers
- DMG Mori, EMAG, SCHUNK, Bosch Rexroth, Würth
- Infineon, IBM

Cyber-Layer

Physical-Layer

Test beds
The best way to cope with the challenges of the future is to shape it actively and jointly.

Thank you very much for your attention.