

ITA Reinforced Partnership



RWTHAACHEN
UNIVERSITY



*rethinking
composite production.*

Our Mission

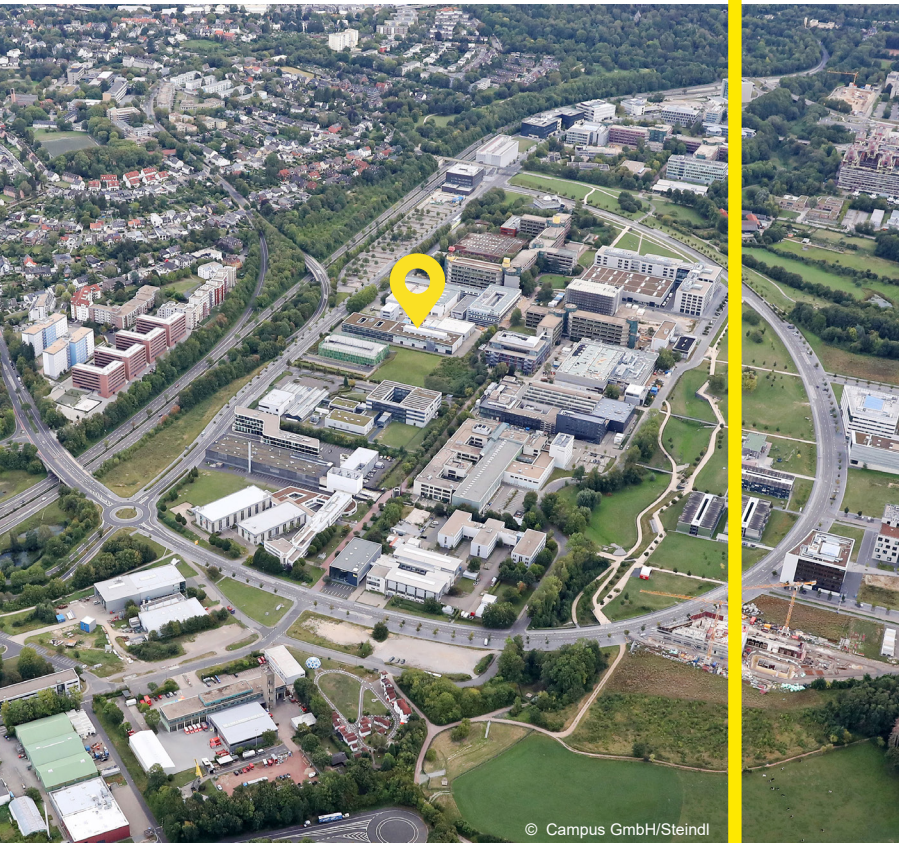
The ITA Group is a leading research and qualification service provider with 450 employees in the areas of fibre-based high-performance materials, textile semi-finished products and their manufacturing processes.

ITA Technologietransfer GmbH is the partner of the industry in research and development with a focus on man-made fibres, textile machinery, fibre-reinforced composites, biohybrid & medical textiles as well as technology transfer to other industries.

ITA's lead topics are oriented towards the social megatrends of sustainability and digitalisation. They address the application fields of mobility, health, energy, construction and information as well as communication.

With the ITA know-how of industry scale processes, ITA offers comprehensive problem solutions along the entire textile value chain and provides transfer support.

ITA at RWTH Aachen Campus.



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Our Background.

Institut für Textiltechnik of RWTH University is located in the centre of the RWTH Aachen Campus. ITA has access to several other institutes of RWTH Aachen University, dealing with the research topics reinforced textiles in several applications. With its own company, ITA GmbH, common projects with industrial partners are managed in an easy way. ITA GmbH and their entities are industrial-related and focused on relevant key topics of the society. The entity ITA Academy GmbH places a focus on digitalisation and Industry 4.0. ITA Augsburg GmbH acts very closely together with industrial partners in the field of recycled carbon fibre materials and nonwovens.

Our Services.

The ITA Reinforced Partnership offers you the following services:

- Regular networking and project meetings
- Generation of joint partner projects
- Acquisition of large publicly funded projects
- Access to young talents from RWTH Aachen University
- Training and education for your own employees
- Access to ITA's large machine parks and laboratories

Your Benefits.

Among the ITA Reinforced Partnership, you will get to know many interesting people and companies in the field of reinforced textiles and you can expand your network. In addition, other participants get to know you and your work, which spreads your brand further. By working on joint projects with other participants, you will reduce the cost of obtaining new research results that will help your company move forward. For the implementation of the projects, ITA's machinery and laboratories are at your disposal. In addition, we support you with well-trained specialists and committed students. Technical innovations result from the projects, of which your company can benefit.



*From the Fibre to
the Finished Parts.*

Our Topics.

ITA Reinforced Partnership focuses on relevant topics and necessary needs of the reinforcement community. Starting from the fibre, regardless of whether it is natural fibre or synthetic fibre, we focus on the entire textile value chain. That means creating tapes and hybrid yarns, making textile products like biaxial warp-knitted structures, having the production process in mind with the factory of the future. Sustainability issues are addressed with recycling concepts and eco-friendly materials and processes. ITA has summarised these topics within activities in six work groups:

1. Hybrid Yarns
2. Tapes
3. Textile Structures
4. Natural Fibre Composites
5. Factory of the Future
6. Sustainability

Our Service

Frequent Networking & Project Meetings.

- Partner meeting once a year in the summer
- Six Innovation Days, three in spring and three in fall
- Two workgroups will be presented during each Innovation Day
- Aachen Reinforced! Glass & Carbon Fibre Symposium
- Various match-making and networking opportunities on bilateral and Joint Partner Projects
- Showcase of innovations to partners

Partnership Benefits

Marketing and Business Development.
Presentation of innovations to partners.
Access to latest technology & innovation.
Cost sharing in Joint Partner Projects.
Partnership discount for symposium.

Our Service

Acquisition of Funding.

- More than 80 granted projects per year
- Professional Project Management
- EU Horizon Europe
- Federal Funding (BMBF, BMWi,...)
- DFG (Deutsche Forschungsgemeinschaft)
- INTERREG / Cross-border
- International: North America, South Korea, Turkey, Japan, EU

Partnership Benefits

Technology & innovation scouting.
Identification of project partners.
Project definition & proposal guidance.
Easy access to Funding Programs.



Our Service

Access to ITA Machine Parks & Laboratories.

- Machine Parks: ITA & DCC Aachen, ITA Augsburg
- >250 machines: From lab-scale to industrial scale
- Rent-a-day concept
- Carbon fibre and glass fibre pilot plants
- Complete value chain – from fibre to component
- Prototyping and demonstrator fabrication
- Scale-up for industrial production
- Laboratories: Polymer, Textile, Composite
- Fully equipped with state-of-the-art testing machines

Partnership Benefits

Quick trials, validated results.
Qualified Benchmarking of production setups.
Evaluation of alternatives for decision making.





Our Service

Joint Partner Projects.

- Generation of private & confidential intellectual property
- Fast initiation and response
- Topics generated by industrial partners
- Non-bureaucratic, fast, reliable results
- Joint Partner Project example: CoSiMo
- Industrial Research Group examples: „Polymer Recycling“ & “Meltspinning“

Partnership Benefits

Exclusive research.
Cost sharing of project results.
Cost sharing of market intelligence.
Networking in your community.

Partners Faurecia, ESI Group, Siebenwurst Modellbau & Formenbau, Netzsch, IBA AG, KUKA, Premium Aero-tec, SGL Carbon, KraussMaffei Technologies

Our Service

Access to Talent Pool.

- Interdisciplinary studies at RWTH Aachen University with its currently 47 000 students
- There are around 600 students per year at ITA
- Bachelor and Master students from engineering and other disciplines
- Supervision of external Bachelor and Master theses, PhD studies
- Internships with industrial partners

Partnership Benefits

Human Resources.
Job & CV-Board for future employees.
Company promotion.



Our Service

Education & Training.

- Training courses along the textile value chain - tailored to your needs
- Choose between our customised seminars, open basic training courses and personal innovation consultancy
- Training programs are supervised by highly qualified textile engineers and scientists

Partnership Benefits

Bespoke training and education.
Hands-on showcases & demonstrations.
Partnership discount.



Membership Fees.

ITA partnership is based on company size including

- Partner meeting once a year
- Six Innovation Days
- Initial consultancy for new projects
- Partnership contract for two years
- Partnership discount for symposium and trainings



Company Size			Annual Contribution (in Euros)*
Micro	< 10	employees	2.000 €
Small	< 50	employees	3.500 €
SME	< 250	employees	5.000 €
Large	> 250	employees	7.000 €

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Our Team.



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