YARN AND FABRIC PRODUCTION

- UD tapes, scrim CETEX
- Non-woven fabric Norafin Fibtex
- 3D fibre structures Fiber Engineering
- Spinning, core yarn Hofilx
- Yarn finishing, thread Alterfil

Sewing and embroidery yarn Alterfil
- Knitted fabric STS
- Woven fabric STF
- Knitted/crocheted fabric Karl Mayer
- Netting STFi, Karl Mayer
- Tapes, rope Barthalis-Feldhoff

FINISHING, COATING

- Finishing, functionalisation Thorey
- Coating, lamination VIS
- Additives and auxiliary products for fabrics Lelatex Chemie GmbH
- Surface functionalisation Invent
- Bonding AB- Tec

SERVICE

- Research, testing, certification, surface formation, equipment STS
- Research, technology, engineering CETEX
- Analysis, project management with Forum TUW e.V.
- Research, analysis, surface treatment, functionalisation Invent
- Research, development, lightweight structures TU Chemnitz
- Development, construction, engineering services FBF Dresden
- Research, analysis, ceramic materials KI Keramikinstitut

TEXTILE APPLICATIONS

- Geotextiles, textiles for the construction industry IGS
- Textile Architecture
- Filtration iGG, Norafin
- Abrasion-resistant conveyor belts VIS
- Geomat, flax, non-woven liners Norafin
- Textile products for marine applications Beke Mare Salurons
- High-temperature applications Norafin, Fibtex
- Automotive BMW
- Soundproofing IGS Fibtex

APPLICATION FIELD: COMPOSITE MATERIALS

- Woven prepgs Barthalis-Feldhoff
- Facade elements FIBER TECH
- Ceramic composite components KI KERAMIKNSTITUT
- Tubes, pressure tanks, power systems, plant engineering Roh Industries
- Fibre composite products for marine applications Beke Mare Solutions
- Prefabricated buildings, building, construction materials Zapt
- Plant technology, fibre injection technology Fiber Engineering

COMPETENCE MATRIX OF THE NETWORK: The diagram illustrates how companies and research institutions have pooled their diverse skills and resources by collaborating in the network. The entire multi-faceted value chain from filament production to recycling is represented here, facilitating a variety of applications and solutions.