



Circular
Economy
in the Textile
Industry



ReNewTex - The Cooperation Network for Sustainable Circular Economy and Recycling Management of fibre-based reusable materials

Exploiting economic and ecological potentials of fiber-based recyclables!

Goals of the innovation network ReNewTex

By January 1, 2025, under the new EU Directive „2018/851/EU“, all manufacturers of floor coverings will be forced to ensure that their products can be collected separately for recycling and reuse at the end of their useful life and made available to specialized companies for reprocessing.

Against this background, the members of the „ReNewTex“ network, which was launched on 01.01.2020, are developing concepts and market-ready solutions for the establishment of a sustainable circular economy for fiber-based recyclables. The network includes well-known companies in the fiber processing industry, renowned associations and internationally active research institutions.

We invite you:

- Become a member of an innovative, international network of companies and renowned research institutions!
- Develop new, innovative, fibre-based products of the future together!
- Get a market advantage by switching to circular products in time!
- Contribute your competences and ideas for new, fibre-based product innovations to the international network and realize your ideas by joint research and development activities!

- Benefit from the contacts to motivated, active new partners from industry and research!

Areas of development

The objectives, which are derived from discussions within the network and addressed by joint bilateral and multi-lateral projects in the ReNewTex network, are a circular product and process design, the support of the economic operation of decentrally organised recycling plants by optimising the utilisation as well as the reduction of set-up costs and times, and the creation of information transparency to significantly increase the quotas of recovered raw materials.

The actors in the ReNewTex network are working on innovative product developments and topics such as:

- New joining technologies for composite systems, e.g. adhesive systems for needle felts
- Identification technologies for carpets with the aim of creating information transparency over the entire product life cycle
- Visualisation / digitalisation of internal production processes
- Preparation of the textile structural change with regard to the recyclability of products
- Further training of employees

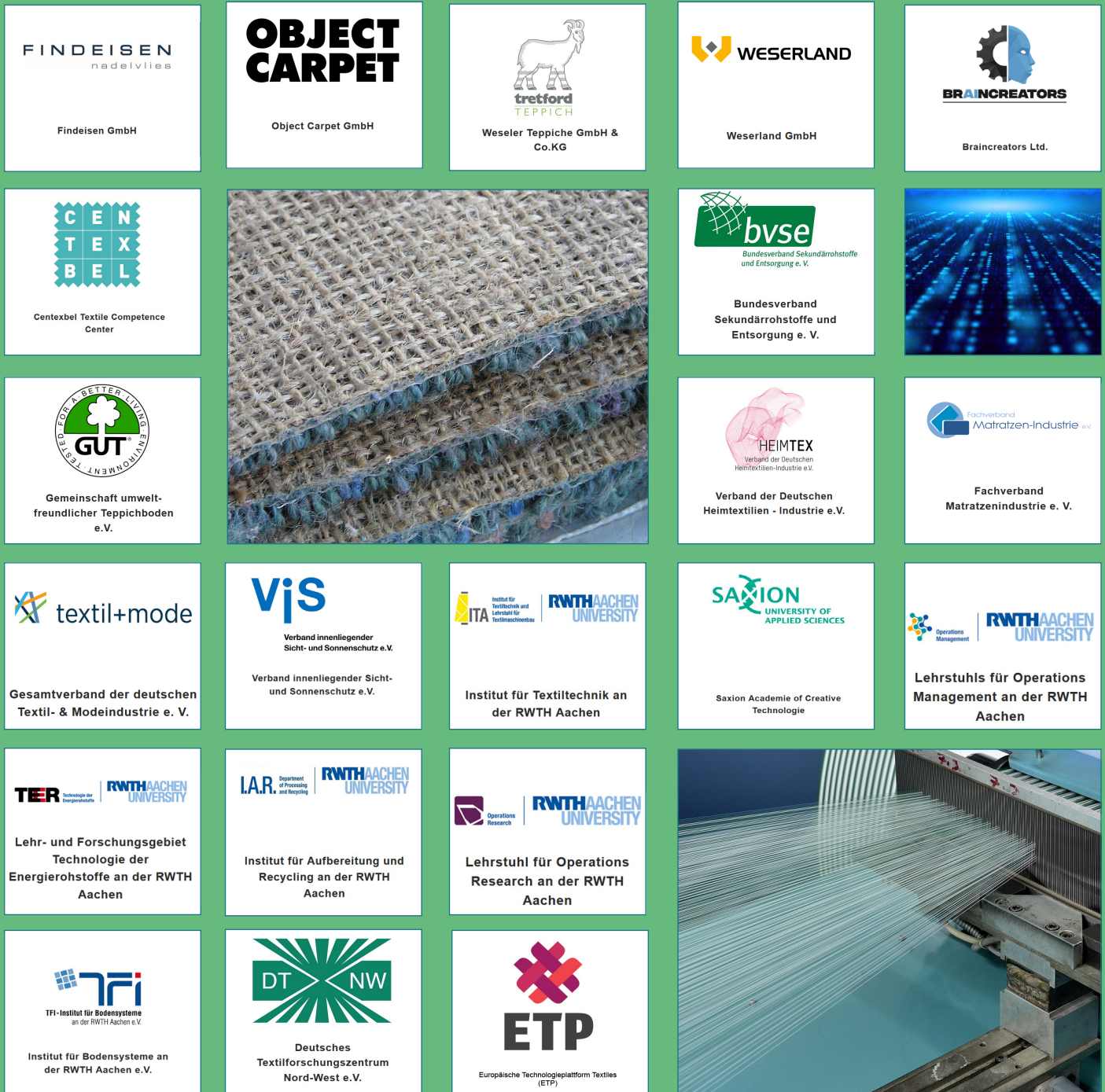
Benefits for network members

The benefits and advantages for you as a partner in a network of successful companies, renowned research institutes and established associations are very wide spread. Benefit from the following services:

- Development of innovative solutions for new, reusable products and services of fibre-based recyclables in collaboration with market leading companies and R&D institutions
- Use of cross-sector and cross-disciplinary contacts in the network
- Matching of company and research partners
- Reduction of development costs through the use of subsidies
- Support in opening up new foreign markets
- Moderated dialogue between all actors involved and with relevant political decision-makers
- Participation and contribution in the existing technology roadmap

Become a partner in a strong network!

Current partner structure



Network management facility

ZENIT

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