



## Keeping artificial turf in circulation

### Bachelor thesis / compulsory internship at



TFI Institut für Boden- und Raumsysteme  
an der RWTH Aachen e.V.

## Let's kick it – help to strengthen the German circular economy!

Your thesis, compulsory internship or practical semester will support our ongoing research project 'Circular, digitalised artificial turf system with integral management of the anthropogenic material store of multi-material artificial turf (ZirKuS)'. In the 'ZirKuS' project, we are working with 14 partners from industry and research to develop a sustainable, circular artificial turf system with digital material management in order to increase recyclability and resource utilisation. The aim is to recycle high-quality polymers, track material flows transparently and strengthen the circular economy in Germany. Among other things, we need your support in the construction of the experimental station and the realisation of fibre cleaning and separation in preparation for the recycling of polymers. We would be happy to work together to adapt the topic of your practical thesis/internship to your interests.

#### We offer you:

- Collaboration in a research project
- Independent and responsible task
- Direct supervision
- Co-organisation of your activities
- Practical thesis/internship work (research, experimental design, practical implementation, development, evaluation and interpretation of results)
- Insights into industry-related research

#### You come with:

- Degree course: specialising in textiles, mechanical engineering
- Motivation for analytical and practical tasks
- Structured and independent work
- Enjoy solving research questions
- Time to start with us from June 2025

**If you are interested in innovative research work, practical work with textiles and data analysis, we look forward to receiving your application at [personal@tfi-aachen.de](mailto:personal@tfi-aachen.de)**

**TFI - Institut für  
Boden- und Raumsysteme  
an der RWTH Aachen e.V.**  
Charlottenburger Allee 41  
52068 Aachen  
Deutschland

If you have any questions on the subject, please contact me:  
**Susann Reuther, M. Eng.**  
Project Manager Machine Technology  
Email: [s.reuther@tfi-aachen.de](mailto:s.reuther@tfi-aachen.de)

