

Project Study: Life Cycle Assessment & Impact Calculation for Bergzeit RE-USE

About Bergzeit RE-USE

Since 2022, Bergzeit has been running its own second-hand shop for high-quality outdoor equipment under the name [RE-USE](#). Our goal: to extend the lifespan of outdoor products, conserve resources, and provide our customers with a sustainable shopping alternative. With RE-USE, we not only contribute to the circular economy in the outdoor sector but also strengthen Bergzeit's position as a brand with a sustainability focus.

Project Objective and Description

So far, we have primarily communicated the environmental benefits of RE-USE in qualitative terms – however, an impact calculation (e.g. savings in CO₂e, water, raw materials) is still missing.

The aim of this project is to create a robust life cycle assessment (LCA) for Bergzeit RE-USE and thereby make the measurable environmental benefits of second-hand products compared to new products visible.

Possible Guiding Questions

- What is the environmental benefit (CO₂e, water, resources) of purchasing second-hand items from Bergzeit compared to buying new ones?
- In which product categories is the ecological impact of second-hand particularly high?
- Which operational levers and processes in running a second-hand shop have the greatest environmental potential?

Student Tasks

- Review of scientific studies and databases on the environmental impact of outdoor products
- Development of a calculation methodology for the impact of Bergzeit RE-USE
- Execution of an LCA based on Bergzeit's provided data
- Preparation and visualization of results in a project report (e.g. PowerPoint presentation)

Project Scope

- Duration: Full-time for 3 months or part-time for 6 months
- Start: mid-January, 2026
- Remote work possible; onboarding including insights into RE-USE processes by Bergzeit – optional: on-site workshops & (interim) presentation of results at Bergzeit



Student Requirements

- Interest in sustainability, circular economy & outdoor products
- Strong analytical and conceptual skills
- Enjoyment of research and independent work
- Ideally: experience in LCA, life cycle assessment, or product carbon footprint (PCF) calculations – can also be developed during the project
- Communication skills in German is a plus
- Team size: 2–4 B.Sc./M.Sc. students – please apply as a team

Application

Please send your application via email to Bergzeit at nachhaltig@bergzeit.de (CC: marie.wehinger@unternehmertum.de) including:

1. CV & transcript of each team member
2. Desired start date
3. Short motivation statement
4. Application deadline: **December 5th, 2025**

What's in it for you?

- Direct insights into sustainable business practices
- Collaboration with a leading outdoor retailer
- Contribution to measuring climate protection and resource conservation in the outdoor industry
- Opportunity to implement your project in a real corporate setting

Supervision and Contacts

Bergzeit:

Jule Schneider – CSR Manager

Marit Langheim – Marketing Manager RE-USE & CSR

Contact: nachhaltig@bergzeit.de

UnternehmerTUM / Circular Republic:

Marie Wehinger – Project Manager & PhD Candidate

Contact: marie.wehinger@unternehmertum.de

