

## Project study at Develey Senf & Feinkost GmbH

### Sustainable Utilization of Mustard Seed Husks in a Closed-Loop Recycling System

Develey Senf & Feinkost GmbH is one of Europe's leading manufacturers of mustard and delicatessen specialties and is continuously improving its production processes with a focus on quality, efficiency, and sustainability. Mustard production generates valuable by-products such as mustard seed hulls, whose ecologically (and economically) sound utilization is becoming increasingly important. In the context of the value chain, research into sustainable approaches offers high innovation potential as well as strategic relevance in the area of resource optimization.

#### Brief description of the research question / research content:

The focus of this work is on the ecological and technological utilization of mustard seed husks as a by-product of mustard production. The goal is to investigate, evaluate, and further develop sustainable utilization pathways in the context of a closed-loop system. This project concept allows a broad interpretation and a flexible approach to different use cases (e.g. direct/indirect food processing, packaging, etc.).

Existing findings, internally tested processes, and technologies that have already been ruled out will be provided and are not part of further research. The work should focus on new, previously unexplored approaches.

#### Framework conditions:

- Start: ongoing
- Duration: 3 months (full-time) or 6 months (part-time)
- Team: 2 to 3 students
- Application deadline: ongoing

#### Your profile:

Broad knowledge or a strong interest in:

- Agricultural sciences or food technology
- Mechanical engineering
- Business administration

#### We offer:

- Opportunity to contribute to a challenging, exciting, and cutting-edge project
- Intensive and expert supervision
- Behind-the-scenes insight

#### Application:

Please send your detailed application, including your resume and cover letter to Giedrė Musijenkaitė (giedre.musijenkaitė@develey.de). We look forward to receiving your submission!