



Agriculture and Food Industry Alliance

Center for Biogenic Value Creation
and Smart Farming



Progress for a more sustainable food industry

With the combined expertise of five Fraunhofer institutes, the Fraunhofer-Gesellschaft's "**Center for Biogenic Value Creation and Smart Farming**" is reorganizing the entire value chain in the food sector in terms of sustainability and supporting companies in the food

industry in their transformation process.

The focus is on research and development of innovative technologies for the sustainable production and processing of agricultural products, i.e., on increasing biogenic value creation.

Teaming up for a common goal

The interdisciplinary team of researchers is contributing comprehensive expertise from the fields of robotics and automation, sensor technology, analytics and actuator technology, AI and Big Data, as well as construction, production, and process engineering.

Resource-efficient agriculture and processing

We are conducting research so that agricultural products and biogenic raw materials can be produced and used more sustainably, thereby advancing the politically driven paradigm change towards ecological and resource-efficient agriculture and production.

Project examples

- Optimized edible **coatings** for fruit and vegetables
- Value creation through the use of regional **side streams**
- Functional **moisture barrier** for fiber substrates
- Non-destructive **product evaluation** and shelf-life modeling
- Value creation with paludicultures for **sustainable packaging**

For further information, please follow the QR code.

