



Austrian  
Agricultural  
Cluster



# SUSTAINABLE AGRICULTURE - THE AUSTRIAN WAY

CONSULTING

TECHNOLOGY

KNOW-HOW

Supported by the federal government, federal provinces and the European Union

 Federal Ministry  
Republic of Austria  
Agriculture, Forestry, Regions  
and Water Management

  
**LE 14-20**  
Entwicklung für den Ländlichen Raum

The European  
Agricultural Fund for  
Rural Development  
Europe investing in  
rural areas





Photo: BML Paul Gruber

In today's world, the security of supply with food and renewable energy is as important as hardly any other aspect of our society. Accounting for a significant percentage of total Austrian exports, agriculture is a key driver for Austria's economy. It is vital to ensure the continued success of agriculture and the competitive edge in agricultural trade and services in our globalized world with all its international correlations and dependencies as well as its market-led economy.

Since 1999, the Austrian Agricultural Cluster (AAC) has continuously contributed to these goals. It has brought together the most innovative companies providing technology for agriculture, food processing and renewable energy, and has successfully promoted exports and integration in international markets. In this way, it has become a platform of extensive scientific knowledge and practice-oriented solutions, supporting the transformation of farming through innovative high-quality products and services.

The Federal Ministry of Agriculture, Forestry, Regions and Water Management has supported the AAC from its foundation within the Export Promotion Programme until today. I am pleased to assure you that we will continue to collaborate and foster these crucial developments toward the innovative and transformative potential in the field of agricultural technologies.

### **Norbert Totschnig**

Federal Minister for Agriculture, Forestry,  
Regions and Water Management



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Investing in your local economy



# A dynamic and innovative agricultural cluster

Our mission is to support the transformation and innovation of farming through quality products and services, driving sustainable and responsible growth with a stronger and closer integration of communities.

## The AAC network: 22 internationally renowned Austrian companies and organisations



Interdisziplinäre Kooperationsstruktur für die Entwicklung von Mikrosystemen

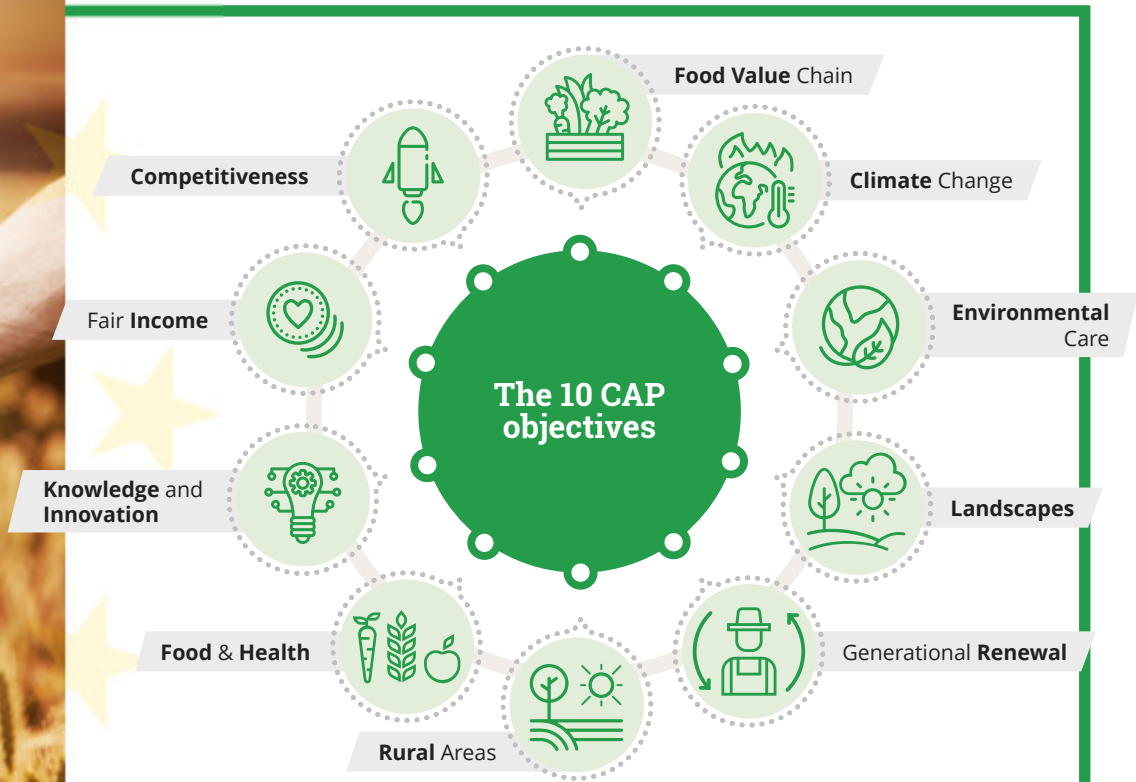


## How does the AAC contribute to the creation of a more sustainable agriculture, stronger regions and farmers?

**The AAC offers services and technologies in line with the Green Deal aspirations. Austrian agricultural know-how and innovations help successfully implement the CAP 2023-27 strategies on country levels.**

- resilient, healthy Austrian breeds
- innovative, low-emission technologies for animal husbandry & welfare
- high-end weather and climate monitoring systems
- innovative irrigation & water management solutions
- smart farming and new, high-accuracy technologies
- new and innovative food processing technologies
- efficient testing and control systems for food & feed
- know-how, education and sustainable agricultural practices
- renewable energies







## AAC Smart Agricultural Training Farms

**The AAC specializes in planning and developing Smart Agricultural Training Farms.**

- Training and education form the basis for the production of high-quality food and for the development and strengthening of rural areas
- At the same time, regional agricultural systems are challenged to function both sustainably and financially efficient





Scan for the  
LFS Pyhra Website

## Agricultural College Pyhra

### Best practice example and cooperation partner

Smart Agricultural Training Farms combine educational and commercial purposes in a way that impacts positively the environment, farmers, consumers and regions. This concept is practiced in an exemplary manner at agricultural colleges throughout Austria.



- 1** School building
- 2** Boarding - Internat 150 + 200 boarding places
- 3** School stable with dairy & meat processing
- 4** Commercial dairy farm for 350 cattle
- 5** New school stable/ "Best practice"

## 4-Step Basic Concept

- 1** Establish a **sustainably managed cattle farm** by using the **dual-purpose breed Simmental "Austrian Fleckvieh"**. Dual-purpose livestock offer great advantages in **health, longevity, and quality production with less feed and environmental impact**.
- 2** The **farm equipment** complies with the latest scientific & technological innovations in animal husbandry and feed production. Special emphasis is placed on **animal welfare and climate-efficient barn systems**.
- 3** A **small dairy and a slaughterhouse** integrate the milk and meat processing into high-quality food. The **quality standards of the European Union** in food production and the traceability of the production chains are being practiced.
- 4** The milk & meat products are sold within the farm complex and serve as a **model for direct marketing**.

**The AAC works together with national and local agricultural authorities, universities, colleges, vocational schools, farmers and food processors.**

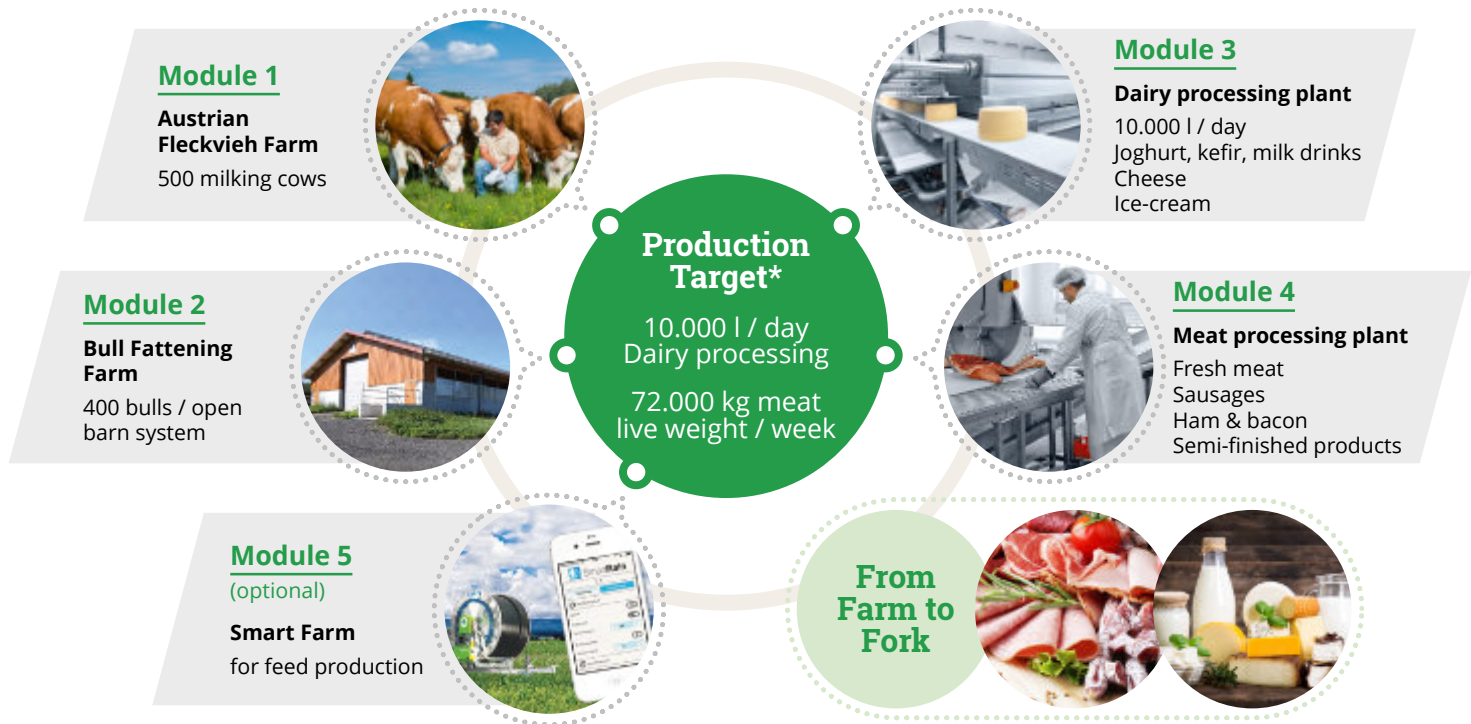




## Austrian Fleckvieh-Simmental outstanding dual-breed

- Excellent meat & milk quality with above-average fat and protein content of the raw milk
- Maximum resource efficiency
- Best fertility & outstanding health values
- Universal applicability
- Enormous genetic potential

# Exemplary training farm modules



\*Standard capacities 70 | 200 | 500 milking cows  
Capacities can be adapted to local needs.



## Goals & benefits

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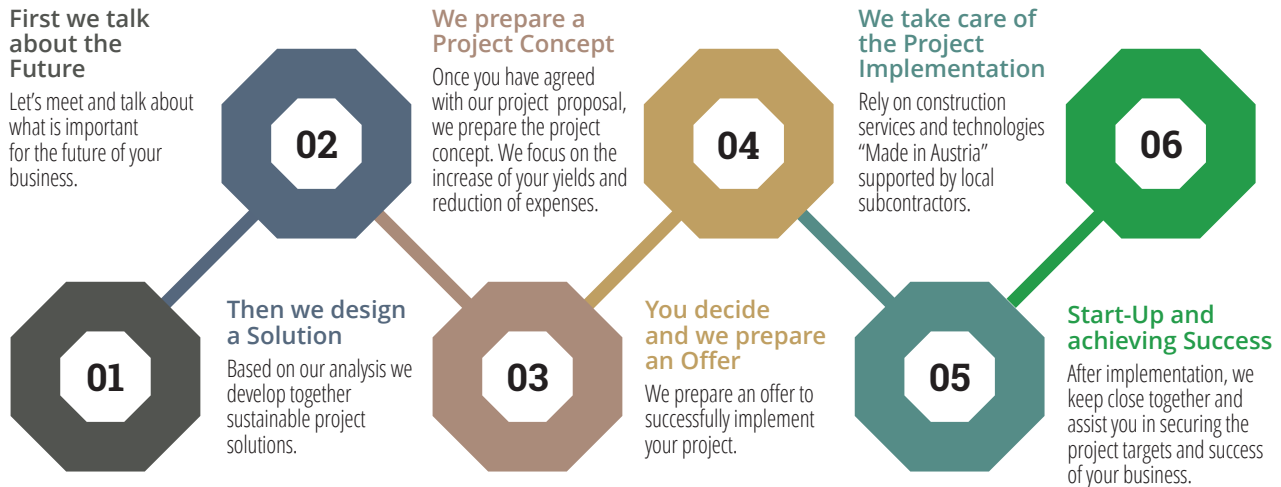
### **“From the region, for the region”**

- Practice-oriented training organization for students and practicing farmers
- Implement and train the principles of sustainability on young farmers generations
- Implement and train the use of smart farming technologies
- Create regional value-added agricultural chains, from the region for the region
- Increase quality and efficiency in milk & meat production
- Align regional standards for food quality and food safety to international requirements
- Model farm for the integration of small and medium-sized businesses in the agricultural value chain "Milk & Meat"
- Strengthen direct marketing of agricultural products

# AAC Commercial Project Development

## Consulting, planning and turnkey supply of commercial projects

Do you plan a new investment or want to optimise your agri-business in animal production, crop farming and halal food processing? With our 6-steps approach we consult you for complete projects along the value-added food chain. For single as well as for vertically integrated farm and food processing projects!







## From high-quality milk to premium dairy products:

**Exemplary project for daily processing of 25.000 litres raw milk.**

- 1.000 heads of Fleckvieh (Simmental) cows – World's No. 1 dual-breed in terms of milk quality and environment efficiency
- 1.000 – 1.500 ha farm land for feed production
- Dairy processing factory with an average daily processing capacity of 25.000 raw milk
- Smart Farming Technologies for 24hr control and traceability of crops and livestock and real-time decision making







## Integrated solutions for milk & meat processing

Our member companies offer you advanced technologies for food production. Solutions cover the entire planning, delivery and installation process of individual machines, processing lines and plants for meat and milk/ dairy production.



## Efficiency, profitability, Consumer satisfaction

Austria is renowned for the sustainable agriculture, high animal welfare standards and the high quality of food. With each 5th farm and each 5th ha organically cultivated, Austria is considered to be Europe's "organic farming country no. 1". Agricultural products and processed foods must conform to strict and extensive quality regulations and are constantly monitored by independent testing centres.

Food processing technologies made in Austria guarantee the most innovative approaches to ensure a produce of high quality and variety, with best efficiency and productivity of your processes.



## AAC Farm Development

Project management for complete farming is the strength of the AAC. Technical proposals, feasibility studies and bankable business plans:

Depending on the specific project our clients can request all or selected products and services of the represented member companies.

**We develop projects for the food processing industry, agroholdings, and private investors.**







- Breeding animals and genetic material
- Smart Farming technologies
- Cereals processing and storage facilities
- Veterinary and agrofood diagnostics
- Animal housing and animal nutrition
- Food processing facilities
- Bioenergy

# Smart Farming Technologies

## Adding Value through Data

## Precision Crop Farming

Smart Technologies allow for data-driven, highly precise farming methods, adapted to your local growing conditions.

We offer you solutions for:

- precision soil preparation and seeding
- precision fertilisation and crop protection/ spraying
- precision harvesting

**Improve accuracy, efficiency and environmental sustainability of your farming processes.**

**Save time and inputs to generate higher and healthier yields.**







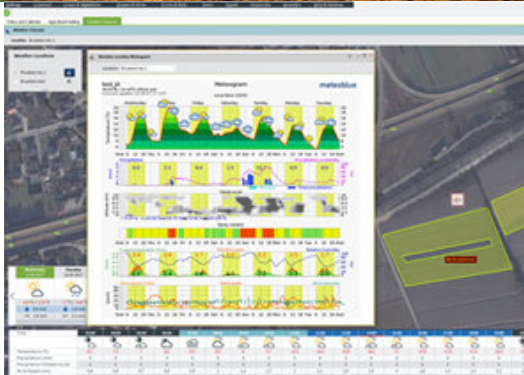
Smart Technologies for weather monitoring and forecasting, crop health management and water management.



Smart Technologies for management and optimisation of irrigation.



Smart Technologies for grain storage and processing.



Farm Management System to integrate, analyse and control all data generated by your farm equipment, livestock and crops.



# Complete solutions along the value-added chain milk & meat processing

Project management for complete farming is the strength of the AAC. Technical proposals, feasibility studies and bankable business plans: depending on the specific project, our clients can request all or selected products and services of the represented member companies.



**Technology**



**Know-How**



**Consulting**

## Feed Production

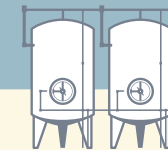


## Animal Production

Feeding technology  
Climate control  
Slurry management



## Dairy processing



Reception and storage



Testing for food safety

20

## Precision Crop Production

Agricultural machines  
Irrigation technology &  
slurry management



Transportation  
Sensors & monitoring  
technology



Farm Management  
System

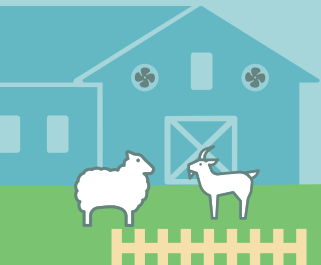


Processing & storage  
Mycotoxin monitoring



## Breeding facilities, Fattening farm

Animal housing  
Stable equipment  
Cattle monitoring  
with bolus technology



Cows  
Semen for artificial  
insemination

Forage  
Feed additives  
Premixes



Veterinary  
diagnostics



## Distribution



Cheese  
processing



Packaging and  
storage

Transport to  
food suppliers



## Where we operate



## The value we bring

Through the network of qualified companies in various sectors of agriculture, food-processing and renewable energy, the AAC is a competent partner for international agricultural projects including corporate finance combined with local subsidy programs.

**Best of Austria  
Technology**

**Two decades of  
expertise**

**Complete,  
tailor-made  
solutions**

**Strong international  
network and  
partnership**

# A dynamic and innovative agribusiness cluster

Our member companies, working together  
to advance performance in farming



Scan for the AAC  
Imagevideo







**Austrian  
Agricultural  
Cluster**

## **AGRIBUSINESS TECHNOLOGIES AND SERVICES**

### **CONSULTING SERVICES**

### **PROJECT MANAGEMENT**

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