



FE FOOD

The specialist for industrial buildings.

MEIEREIGENOSSENSCHAFT EG VIÖL

INSIGHT



We are constructing a growth-oriented dairy in record time.

In March 2014, the Meiereigenossenschaft eG Viöl cooperative decided to completely rebuild its milk processing plant. After breaking ground in March 2016, the cooperative began operating the new facility in August 2017. The fact that the vision became reality in such a short time is thanks to the close cooperation between the client and IE.

“ 60 days earlier than the ambitious goal. This is an astonishing achievement. ”

Ulrich Lembcke, Managing Director



PLANNING AND CONSTRUCTION PERIOD

- › Planning 10 months, construction 14 months

CONSTRUCTION SCOPE

- › Land: 33.000 m²
- › Building/floors: 4.600 m²
- › Open spaces: 8.700 m²
- › Enclosed space: 28.500 m²

INVESTMENT VOLUME

- › EUR 18,5 million

SERVICES PROVIDED BY IE

- › Master plan
- › Concept planning
- › System planning
- › Applications to authorities
- › Tenders
- › Construction management
- › Acceptance

RECIPE FOR SUCCESS

- › Designed from the inside out
- › Close cooperation between the client and IE Food
- › Comprehensive industry knowledge of IE Food



CUSTOMIZED SERVICES:

- › From consulting to turnkey production buildings
- › Production transfer without interruption
- › Transparency in planning and building execution is paramount
- › Planning and construction of a biological wastewater treatment plant
- › Integration of a comprehensive hygiene concept
- › Cost certainty, adherence to deadlines, and quality guarantee

The Meiereigenossenschaft eG Viöl is one of the last independent dairies in Schleswig-Holstein. Founded in 1894, the company, which focuses on cream and MM concentrate for shipping, grew steadily and faced the challenge of fundamentally renewing its operations in 2014. Up to that point, it had been processing around 100 million liters of milk per year in its 3,000-square-meter facility, reaching the approved upper limit for production volume. Since it was not possible to expand production at this location, the cooperative decided to purchase a three-hectare undeveloped plot of land on the outskirts of Viöl. It first commissioned IE to conduct a feasibility study and then as the general contractor for the planning and execution of the new facility.

Success factors

1 Think ahead, get ahead: our industry expertise is impressive

The decisive factors in choosing IE were its in-depth knowledge of milk processing, first-class references, and strict cost control. The contract included consulting, process and construction planning, tendering for all trades, and execution through to handover as a turnkey production building.

2 Quality?: Doubling of processing volume

The project goals were ambitious: to double the amount of milk processed to 200 million liters per year. In addition, reserves had to be created for possible expansions in production. The transfer of production from the old to the new facility was to be staggered so that the current target volumes could be achieved without interruption.

3 Working together to achieve our goal: close cooperation with the client

IE proceeded according to the proven principle of “planning from the inside out.” Transparency was the top priority: each planning step was coordinated with the client, who was integrated into the process from the start of the project to the start of operations.

4 Innovative: solutions for energy, fresh water, and wastewater

The milk production process is energy-intensive, consumes large amounts of drinking water, and generates significant quantities of wastewater. This presented IE with a whole



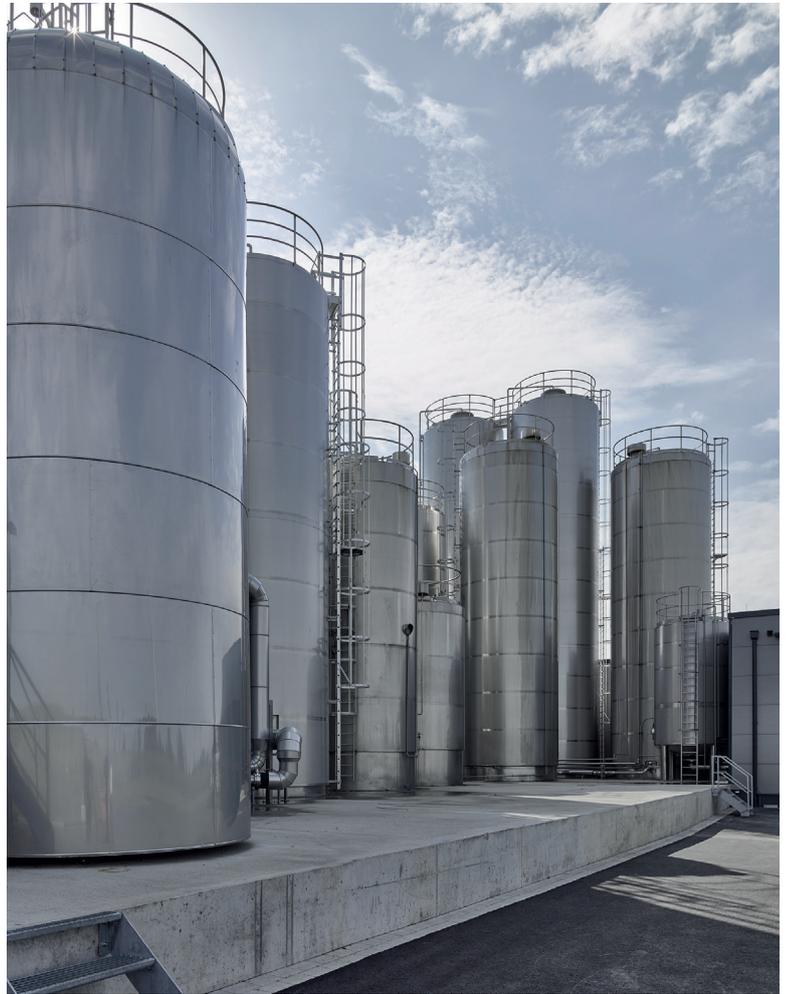
series of technical challenges that required special solutions due to the conditions on site. An ammonia refrigeration system with a capacity of around 800 kilowatts was installed for cooling. The electrical energy is primarily produced by a combined heat and power plant, which covers one-third of the facility's own electricity requirements. Four wells were drilled on the site to supply drinking-quality water. The water supply is supplemented by a connection to the network of an external plant. A particular challenge for the planners was the requirement to treat the dairy wastewater and the steam water produced during the evaporation of skimmed milk. The original plan was to feed the wastewater to the local sewage treatment plant. However, the compensation required by the authorities meant that a separate biological wastewater treatment plant had to be planned and implemented.

5 Clean performance: industry-compliant hygiene concept

The hygiene concept includes two hygiene zones that prevent product and personnel flows from intersecting. The floors are tiled and the interior walls are plastic-coated. The exterior walls were constructed with panels suitable for wet rooms and a special base design. All surfaces and corners are easily accessible and can be cleaned easily.

6 All set: handover two months ahead of schedule

The facility went into production in August 2017, approximately 60 days ahead of schedule. The client is completely satisfied with the result. It particularly appreciated the comprehensive expertise of the IE planners, their market knowledge and contacts with reliable subcontractors, and the systematic approach to awarding contracts. Other important plus points were the cost certainty, which was not only contractually regulated but also underpinned by personal promises, adherence to deadlines, and the quality guarantee.



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We plan, design, and construct industrial buildings. Our goal is to maximize the efficiency of your production - with the help of industrial buildings that are perfectly tailored to your manufacturing processes. We work in manageable and therefore effective teams of industry experts whose motivation and initiative you can rely on. Because at our company, all employees are involved in the business. Of course, we also give you guarantees on costs, deadlines, and quality. **IE Food, IE Plast, IE Life Science, and IE Technology** are part of the IE Group, which has been in the market since 1966 and offers the necessary financial backing - even for large construction projects.



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INDUSTRY**



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**SECURITY THROUGH
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