CUSTOMER CASE · FISHMEAL

20 pumps and 400 meters of pipe

A new raw material reception facility for fish by-products.

From open bunkers to a closed raw material flow

Fishmeal and fish oil production in Cuxhaven, Germany, has a tradition dating back to 1912.

Today, the plant is run by Bioceval GmbH & Co. KG, part of the SARIA Group. Bioceval processes fish by-products from across Europe, including cut-offs from fish such as herring, pollock, and salmon.

When the raw material reception no longer met modern requirements, Bioceval launched a major upgrade project and chose JS Proputec as its technical partner.

They were looking for:

- Better hygiene
- Higher safety
- Less odor in and around the plant
- A solution that fits the existing facility

"We say what we want, and JS build it!"

Markus Beckmann, Technical Operations Manager at Bioceval GmbH & Co. KG

CUSTOMER

Bioceval GmbH & Co. KG

RAW MATERIAL

Fish by-products

DELIVERED

20 Lamella Pumps with Easy Clean, 11 silos, 11 infeed screws, 400+ meters of piping, valves, project management, installation and commissioning.

REPLACED

Open bunkers and crane system

TASK

A new raw material reception facility

A partnership with Bioceval

Design, installation, and commissioning of a new raw material reception facility

THE CHALLENGE

At Bioceval, fish by-products are checked for quality on delivery and stored by type before processing. In production, the raw material is heated, pressed, deoiled, concentrated, and finally dried into fishmeal and fish oil. The existing bunker and crane system dated back to the 1960s. It no longer met modern hygiene and safety standards, and the open-top bunkers caused odor in the surrounding area. New regulations also made an upgrade necessary.

The project was driven by three factors: hygiene, safety, and odor reduction. At the same time, the new facility had to handle demanding fish by-products reliably and fit into an existing plant without disrupting daily production.

THE SOLUTION

With hygiene as one of the main drivers, all 20 Lamella Pumps were delivered with Easy Clean. The Easy Clean feature gives easy access to the pump's internal components, making cleaning, service, and maintenance faster and easier.

Every pump is equipped with JS Maintenance Mate®, which monitors pressure, vibration, and speed and alerts the operators before wear leads to a stop.

The solution was designed around Bioceval's site, process, and operational requirements, and the assembly was planned in two phases.

JS Proputec handled the project management throughout.

PROJECT SCOPE

- Complete customized design
- 20 Lamella Pumps with Easy Clean and JS Maintenance Mate®
- Truck Hoppers with customized hydraulic lid
- 11 silos in three sizes, including an automatic washing system
- 11 infeed screws, including customized JS repair valves
- The entire piping system, more than 400 m, including 142 valves
- Project management
- Installation and commissioning

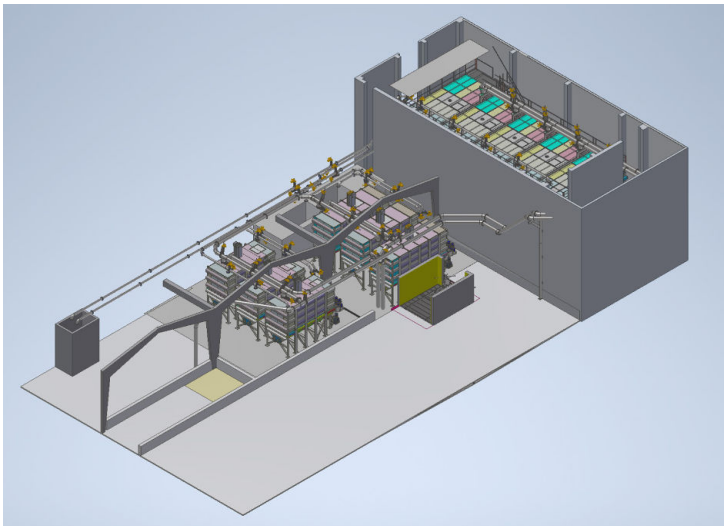
THE RESULT

The result is a modernized raw material reception for a critical part of Bioceval's production process.

The new enclosed, silo-based system moves the raw material in a closed flow from reception to production. For Bioceval, that means:

- Improved hygiene and higher safety
- Significantly less odor inside the plant and in the surrounding area
- Easier cleaning, service, and maintenance with Easy Clean on all pumps
- Smart monitoring of all pumps
- Increased capacity
- The ability to produce a wider range of specialized products
- Stronger revenue potential

The new setup is more than a technical upgrade. It gives Bioceval greater production flexibility and a foundation for long-term growth.



Drawing of the raw material reception facility

A LONG-TERM PARTNERSHIP

The cooperation between Bioceval and JS Proputec goes back more than 10 years. One of the first projects was an upgrade of the raw material collection hopper, where the crane drops material into two hoppers for production. Bioceval chose to upgrade both the hopper and the pumps, and JS Proputec supplied a custom-made solution designed to fit the existing structure.

According to Markus Beckmann, Technical Operations Manager at Bioceval, the delivered part matched the required cut in the hopper down to the centimeter. That project established JS Proputec as a trusted supplier. Since then, Bioceval has expanded from two JS pumps to 20, and Easy Clean has become the standard. The company recently replaced its last standard pumps with Easy Clean versions, so every JS pump at the plant now is equipped with this feature.

WHY BIOCEVAL CHOSE JS PROPUTEC

A key reason was flexibility. Bioceval needed a partner that could adapt the solution to the site, the process, and the actual operational requirements.

- Customized solutions built around the plant
- In-depth understanding of plant conditions
- Strong technical understanding
- Flexible and responsive cooperation
- Extensive on-site involvement

Our team was on-site in every phase of the project.

Our team installing a Lamella Pump with Easy Clean at the Bioceval plant

Before the project started, we visited the plant to understand the existing setup, the raw material, and the daily operation. During the project, we ensured close follow-up, fast communication, and practical support. And when the facility was assembled, we were on-site to support the installation and commissioning.

According to Bioceval, this made the cooperation easier, improved day-to-day coordination, and kept the solution aligned with the actual conditions in the plant.

> *"JS Proputec's flexibility, attention to detail, and responsive customer service have made them a vital partner."*
>
> Markus Beckmann,
> Technical Operations Manager at Bioceval GmbH & Co. KG

The piping system: +400 m & 142 valves

Lamella pumps at the Bioceval plant

Watch the case video
https://youtu.be/iN-UJSINQCw

Facing a similar task in your plant?

Contact us to discuss your setup.

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