

At full capacity, the facility can process up to five tonnes of pulses per hour into protein concentrates, as well as enabling Müller's Mühle to enter the promising growth market for plant-based proteins.

"We have been processing pulses for around 125 years and also sell them as our own brand," says Markus Prantl, Managing Director at Müller's Mühle in Gelsenkirchen, Westphalia, Germany.

"The trend towards healthier, more sustainable diets and the increased demand for meat substitutes for vegans, vegetarians, or flexitarians – people who live on a predominantly vegetarian diet but occasionally consume high-quality meat – has accelerated in recent years.

"We were unable to produce the protein concentrates used for these foods in line with customer requirements using our technology at the time. So, after a thorough analysis, we decided to build 'Plant II' on our premises, which focuses on the production of protein concentrates."

From the very beginning, Müller's Mühle wanted to work with Bühler and Hosokawa Alpine – who started a strategic collaboration in June 2021 that will accelerate and strengthen

Alexander Langer, Area Sales Manager Food Division at Hosokawa Alpine, says: "Consistently high quality throughout the entire value chain not only guarantees flawless end products, but also reduces food waste and ultimately increases Müller's Mühle's yield and margins."

The fact that Müller's Mühle wanted to enter the fastgrowing market for meat substitute products came as no surprise to Randy Urban, Team Manager Customer Service Sales at Bühler.

"I have been privileged to support Müller's Mühle for many years with our solutions for processing pulses and rice," states Mr Urban. "With the exploding demand for concentrates made from pulse proteins to produce plant-based meat alternatives, it was the logical step for Müller's Mühle to enter this market."

More than a plant

"Plant II" in Gelsenkirchen is emblematic for an accelerating trend. "The fact that pulses are making such an incredible comeback to our menu and enable Müller's Mühle to open up new areas of business naturally makes us very happy," adds Mr Urban.

"But the plant here is also a sign that consumers are



increasingly concerned with the impact of their diet on health, on sustainability, and on our environment as a holistic system," he explains.

The entire project originated from Bühler's Customer Service department, from customer consulting to commissioning of the plant. In addition, after years of planning, the project team started the installation in the middle of the second Corona wave in November 2020. which required maximum flexibility from everyone involved.

The journey has only just begun

At full capacity, Müller's Mühle can process up to five tons of pulses per hour into protein concentrates - that's 120 metric tonnes per day. With this ultra-modern plant, Müller's Mühle is ideally equipped for the ongoing boom in the plant-based meat alternatives business.

"We see our plant here in Gelsenkirchen as a foundation for a promising future. Pulses offer a lot of potential for further growth, for example as alternatives to dairy products. It is good for us to know that with Bühler and Hosokawa, we can count on a well-coordinated team with which we can successfully continue on our chosen path," says Markus Prantl.

Müller's Mühle GmbH is part of GoodMills Deutschland GmbH, based in Hamburg. Since 1893, the Müller's Mühle brand has stood for the utmost care in the selection and expertise in the gentle processing of plant-based raw materials.

From its mill in Gelsenkirchen in Germany, the company supplies customers from the wholesale and retail trade as well as the food industry throughout Europe as the largest processor on the continent.