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PRESS RELEASE

Arla Foods Ingredients reduces gas emissions through significant investment in Videbæk

An 8 million euro investment at the Danmark Protein plant in Videbæk will reduce natural gas consumption by the equivalent of the annual heating demand of more than 900 households. With an additional planned investment in Videbæk, that figure will double.

Videbæk – Arla Foods Ingredients is taking a major step towards reducing its CO₂ emissions on dairy level. A newly completed investment in a new heating system for Production Tower 4 at the Danmark Protein plant in Videbæk will deliver annual savings of 2,500 tonnes of CO₂, equivalent to the annual heating consumption of more than 900 households using natural gas.

In Videbæk, whey is processed into a range of ingredient and protein products. As part of the project, the tower is being converted from operating with a gas heater to being able to switch between heat from the plant's existing steam system and a new electric heater. This will reduce the use of natural gas and allow renewable electricity to take over part of the operation. Calculations show that Tower 4 will be able to operate 100% on renewable electricity for 23% of the time.

“This is one of those investments where we simultaneously improve operational reliability, strengthen security of supply and reduce our climate impact. The fact that we can achieve such a large reduction through a single solution highlights the potential of electrifying our production,” says Mogens Bøgh Pedersen, Director of the Danmark Protein plant.

Electrification significantly reduces CO₂ emissions

By being able to switch between the existing steam system and electricity, Arla Foods Ingredients creates a strong financial business case while also supporting the need for flexible consumption in the Danish power grid. This allows Arla Foods Ingredients to use electricity when wind and solar power drive prices down, while reducing electricity consumption when supply and demand push prices higher.

The new solution is an important part of Arla's strategy to electrify production and provides greater flexibility in energy consumption, enhanced reliability and opportunities for future development.

While the new heating system in Tower 4 is now operational, a similar project is being planned for Tower 5. Here, the gas heating system will also be replaced by a combined steam and electric heating solution. Together, the investments in Towers 4 and 5 will reduce CO₂ emissions

by up to 5,200 tonnes annually, equivalent to the annual heating consumption of more than 1,900 households.

“In addition to delivering substantial CO₂e savings, this investment also represents a very strong business case. It is therefore a solution that we will naturally seek to scale across our other sites,” says Paul van Rooij, Vice President, Supply Chain, Arla Foods Ingredients.

Facts about the investment

- Investment in new heating system for Tower 4: approx. EUR 8.3 million
- Annual CO₂ reduction (Tower 4): approx. 2,500 tonnes
- Total potential (Towers 4 + 5): up to 5,200 tonnes of CO₂
- According to standards from the Danish Energy Agency, an average 125 m² house uses approximately 13.4 MWh (or 13,400 kWh) of heat per year. Converting 2,500 tonnes of CO₂ into natural gas equivalents results in 12,315 MWh (based on a natural gas emission factor of 0.203). This corresponds to the annual heating consumption of 919 households.
- A reduction of 5,200 tonnes of CO₂ therefore corresponds to the annual heating consumption of 1,911 households.

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About Arla Foods Ingredients

Arla Foods Ingredients is a global leader in improving premium nutrition. Together with our customers, research partners, suppliers, NGOs and others, we discover and deliver documented ingredients and products that can advance lifelong nutrition for the benefit of consumers around the world.

We serve leading global brands in early life nutrition, medical nutrition, sports nutrition, health foods, and other foods and beverages.

Five reasons to choose us:

- We're passionate about improving nutrition
- We innovate by connecting the best
- We master both discovery and delivery
- We build strong, long-lasting partnerships
- We are committed to sustainability

Headquartered in Denmark, Arla Foods Ingredients is a 100% owned subsidiary of Arla Foods.

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