

Molofeed Script

Scene 1: Intro/Ocean Food Security and Aquaculture

Let's take a step back and view the earth from space. (light pause) Shades of blue and green swirling synergistically in a dance that's lasted since the beginning of time. Both mighty and powerful and gentle and fragile, the ocean is a paradox filled with mystery, magnificence, and infinite potential. Yet, more than eighty percent of the ocean is still unmapped, uncharted, and unexplored. Covering 70% of our planet much remains to be discovered by exploring the mysteries of the deep.

Home to creatures, great, small, and still-to-be-discovered, the ocean holds the solution to mankind's food insecurities within its mighty grasp. But as we pluck from these magnificent bodies, we must also work to protect them. Sufficient food production for a growing world population is one of science's most pressing challenges, and sustainable aquaculture is working to bridge the gap between hunger and sustenance.

Molofeed is a Norwegian company dedicated to supporting aquaculture, a sector of the food production industry—still in its infancy—with the potential to solve world hunger. By repurposing raw materials, once considered waste, from the fishery and aquaculture industries, sustainability is at the heart of the Molofeed vision.

So, let's take a deep dive into this magical, mysterious, and multi-faceted world as we examine how Molofeed is working feverishly to create sustainable solutions through aquaculture.

Scene 2: Context/Aquaculture to feed the world

Aquaculture is the controlled cultivation of aquatic species and the fastest-growing food production industry in the world, providing more seafood for human consumption than wild capture fisheries.

And hatcheries are where it all begins. The backbone of aquaculture, hatcheries are aquatic systems where legions of young seafood species are fed, bred, hatched, and spawned until they are ready to be stocked into commercial farms.

Scenes 5 and 6: Why we exist / Better feeds better hatcheries, Reliable aquaculture

To expand aquaculture sustainably, the industry must reduce its reliance on fish meal and oil in grow-out feeds by at least 50%. Hatchery feeds play an essential role in making aquaculture more efficient, supporting the production of healthy and robust seeds, which is essential for the growth of successful aquaculture crops.

Scenes 8, 9, and 10: R&D is critical

Though science has an abundance of knowledge about the nutritional requirements for species at the grow-out stages, research dedicated to larvae and post-larvae nutrition is still in a state of infancy.

Nutrition, water quality, environment, technology, and application are interdependent in hatcheries where even slight changes have a substantial impact on feed production.

Products used at hatcheries must be immaculate and consistent while also being simple to implement and validate because the predictability of results is as important as survival rates.

Scenes 12, 13, and 14: Introducing some of the issues in support of Arve's commentary

Aquatic animals are very delicate in the early stages of life, exposed to an array of elements in their environment, such as temperature, light, and hydrodynamics. The tank environment can also contribute to the growth of bacteria, including *Vibrio*, an opportunistic, quickly propagating, and potentially harmful variety.

To be successful, hatcheries must control not only the quality of eggs and nutrition but also the quality of the water.

Scene 16: Technology is only valid if we bring customers on the journey (preceding our customers)

Molofeed has developed a patented method for creating a real microcapsule that allows any liquid recipe to be mixed and enclosed in a solid capsule. The capsule can then be dried into a powder-like product, allowing for ease of storage and long shelf life.

Micro-encapsulation in hatchery feeds not only ensures that the tiniest animals get the nutrients they need, but it also helps to reduce the growth of harmful bacteria in the tanks. While not an easy task, preventing nutrient leaching from micronized feed particles optimizes hatchery outputs and reduces the need for antibiotics.

This breakthrough technology has the potential to transform the entire aquaculture industry, by producing higher-quality seeds, increasing biological yields, and creating sustainable solutions. By reducing dependency on live feed, there is a substantial decrease in water pollution in the tanks, which in turn also decreases disease, lowering energy usage and related costs.

Scene 24 and 25: Market Intelligence

Meaningful change can only happen if there is cooperation between every hatchery—both large and small—because while it is crucial that innovative technology like this be developed, the entire industry must be on board for true transformation to take place.

Nurturing close relationships helps to build awareness of challenges, create knowledge-based solutions, and develop mutual trust. A powerful synergy between science and expertise is necessary to shape a better and more sustainable future for global aquaculture.

Scene 29: MicroPro Preparing

Innovations in hatchery feeds can deliver several significant benefits, from reducing or eliminating the need for Artemia and antibiotics to increasing survival rates that impact the hatcheries directly, making them more efficient and predictable. A track that can only be paved by research, producing healthy and robust seeds for the farm not only reduces the risk of disease and increases the quality of seafood but also makes the whole industry run more efficiently, sustainably, and profitably.

Scene 30: Finalization

Now, let us imagine a day when every corner of every ocean around the world is vibrant, abundant, and productive—and its vitality is fully restored, respected, monitored, and utilized wisely, making it possible for the oceans to feed more people than ever before.

With a vision to improve the utilization of the gifts from the ocean while creating solutions to global food security, Molofeed's mission is to develop sustainable ground-breaking feed products by repurposing raw materials, once considered waste, from the fishery and aquaculture industries.

Sustainable aquaculture can support this change and contribute to the recovery of nature's diversity and abundance beneath the waves, but we must start now. Because while securing a healthy future for the oceans is challenging, it is imperative for the existence of all the inhabitants of the planet.