

Nutrition Solutions for Aquaculture

KIDEMIS is a Swiss Company founded in 2022 by Constantin Marakhov. They have developed a proprietary process for upcycling agrifood sidestreams into a composite Mycelium (MyCo) ingredient for use in the aquafeed industries. They were a finalist at Ocean Exchange in 2024.

The aquaculture industry faces a major challenge: to produce more seafood while reducing reliance on fishmeal made from wild-caught forage fish and soy linked to deforestation. KIDEMIS addresses both issues with a single technology platform that converts agricultural waste into a nutritionally functional feed ingredient.



Shifting to mycelium-based feed benefits the ocean by reducing wild-caught forage fish extraction and lowering the risk of ocean pollution from agricultural runoff. It decouples aquaculture from unsustainable marine harvesting and ecologically destructive land-use practices.

They have raised ~US\$165K to scale their mycoprotein-based feed and have positioned themselves as a high-volume alternative to fish meal and have seen very positive results in several aquaculture species, including European perch and rainbow trout. Their goal is to scale production to around 50,000 tons per year.

Winning Formula: “Entrepreneurship is about the discipline to bridge the gap between a breakthrough idea and industrial reality. It requires the conviction to move fast, the resilience to pivot, and the wisdom to know that the greatest strength is not in your own expertise but in the partners you bring into your mission.” ~ Constantin Marakhov

Discover more about their mission and technology: <https://www.kidemis.com/>

#innovation #aquafeed #mycelium #sustainability #OceanExchange