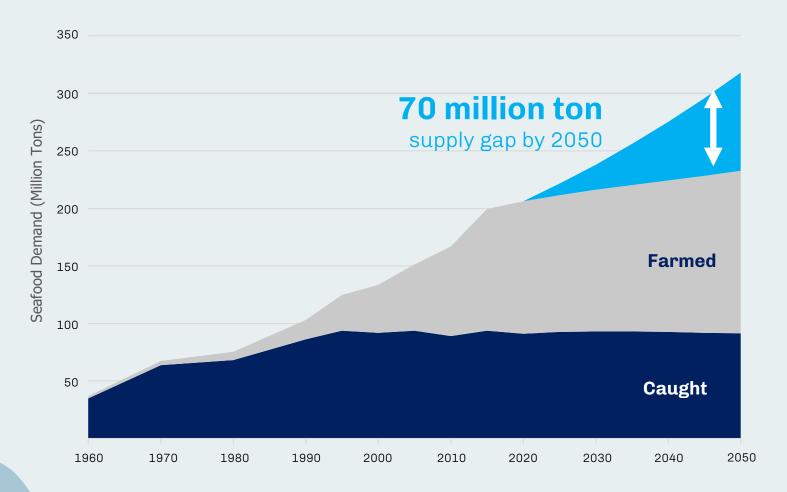
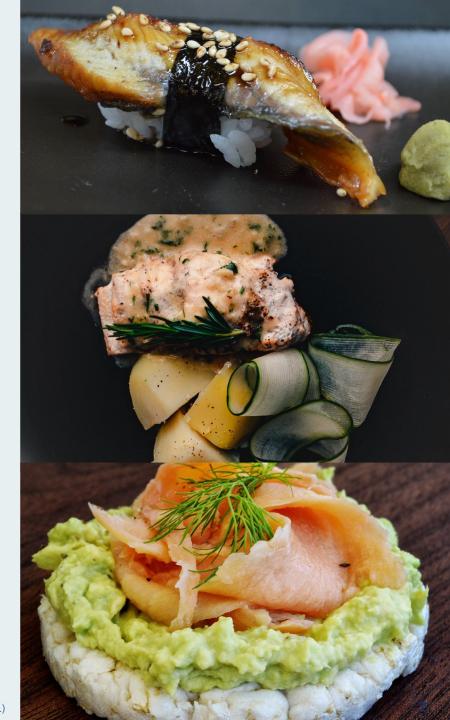


Seafood demand is outstripping supply, presenting a clear opportunity



But producers face growing challenges:

Climate change | Microplastics | Heavy Metals Pollution | Overfishing | Antibiotics Residues



State of seafood production is not sustainable



Overfishing



90% of fish stocks are fully exploited or overfished

Microplastics & Pollution



Plastics, heavy metals, & antibiotics are increasingly found in food supply

Biodiversity Loss



95+ species of fish at high risk of extinction

Small scale fishing decline



Industrialization of fishing harms rural economies & our oceans

At UMAMI Bioworks, we're building the Operating System for cultivated seafood

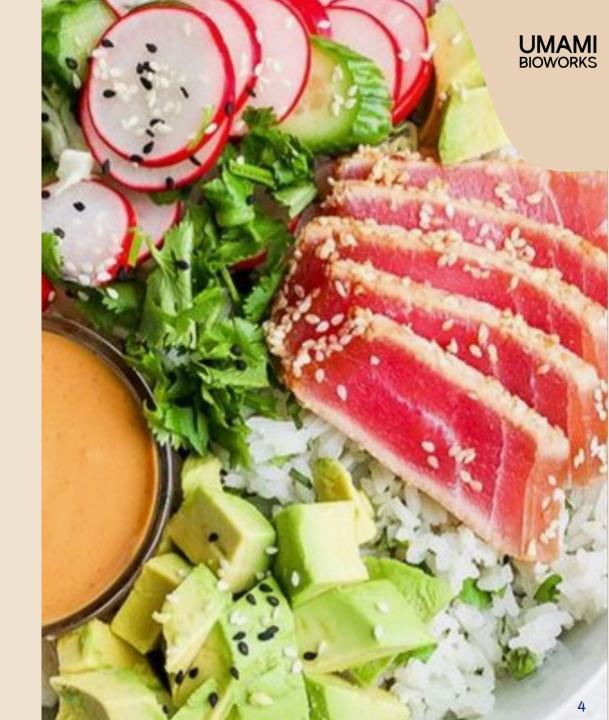
We are developing a **standardized**, **modular**, **automated** production system

empowering food producers to manufacture and launch cultivated and hybrid seafood brands

We aim provide people around the world with:

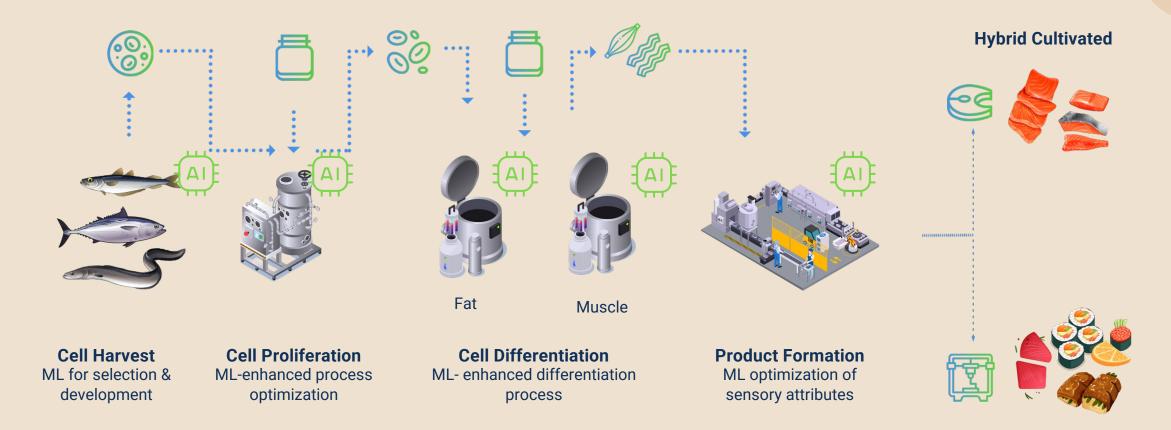
- locally-produced
- stable
- resilient
- · contaminant-free

supply of seafood for generations to come



UMAMI uses Bioinformatics + ML + Automation to make affordable, delicious cultivated seafood possible





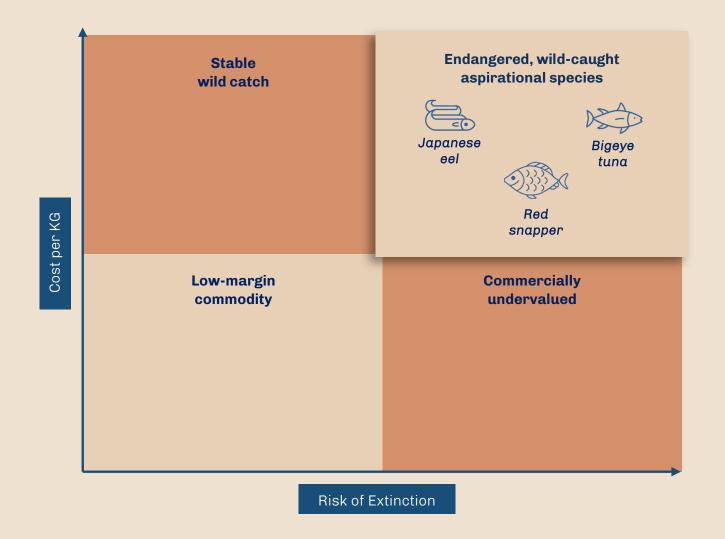
100% Cultivated

We're on a mission to make the world's best seafood without compromises





UMAMI Bioworks is focused on segments that unlock the greatest commercial value & face limited supply



MARKET OPPORTUNITY:

\$60 BILLION



Unsuitable for farming



On IUCN Red List



Growing demand

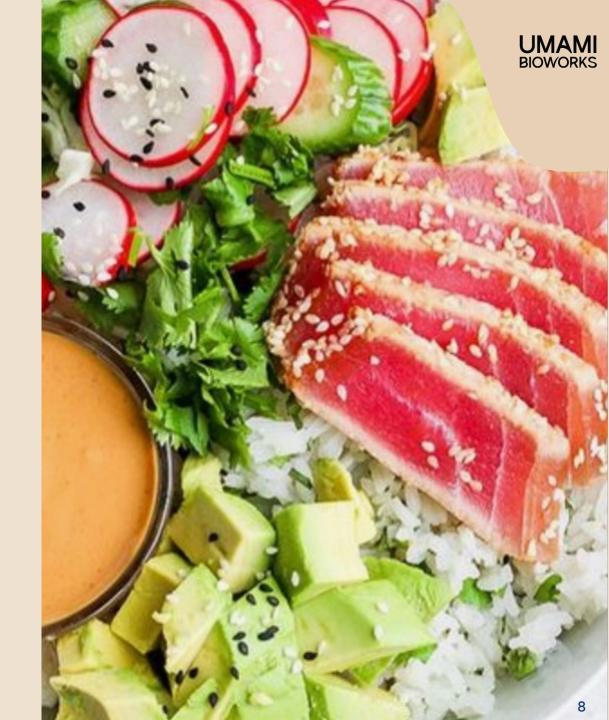


Premium price

How do we industrialize cultivated production?

Current challenges include:

- High capital costs
- Limited risk capital
- Low appetite for CapEx investments



UMAMI's philosophy: partner with incumbents to leverage respective strengths



CapEx borne by incumbent food company with cheaper cost of capital

Startup stays tech-led, increasing scalability & investor ROI

Core IP allows us to build compounding value for customers

Cultivated startup



Seafood Incumbent

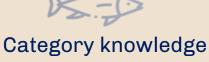


Cultivated Product











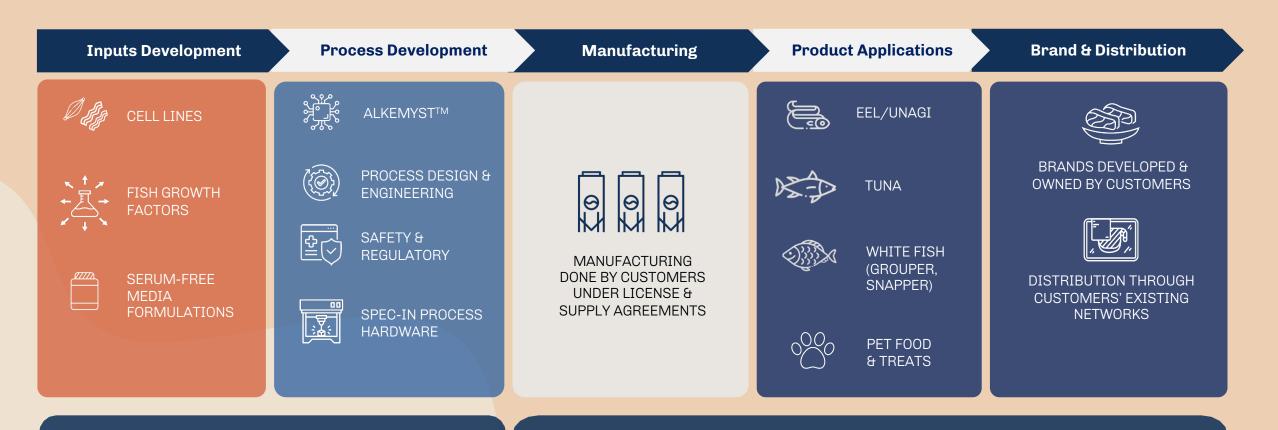
Marketing & branding





In this model, UMAMI is a tech platform, not a manufacturer or consumer brand





UMAMI BIOWORKS

Customer (Incumbent food company)

Conference Presentation. Not for distribution.









But this relies on one BIG core assumption:





that food companies are capable of operating cultivated factories

Conference Presentation. Not for distribution.

Our solution to unlock customer-owned biomanufacturing

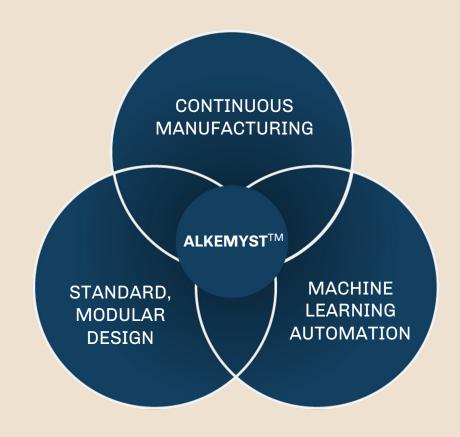


A **plug-and-play system** built on:

Continuous manufacturing

Standard, modular design

ML-based automation



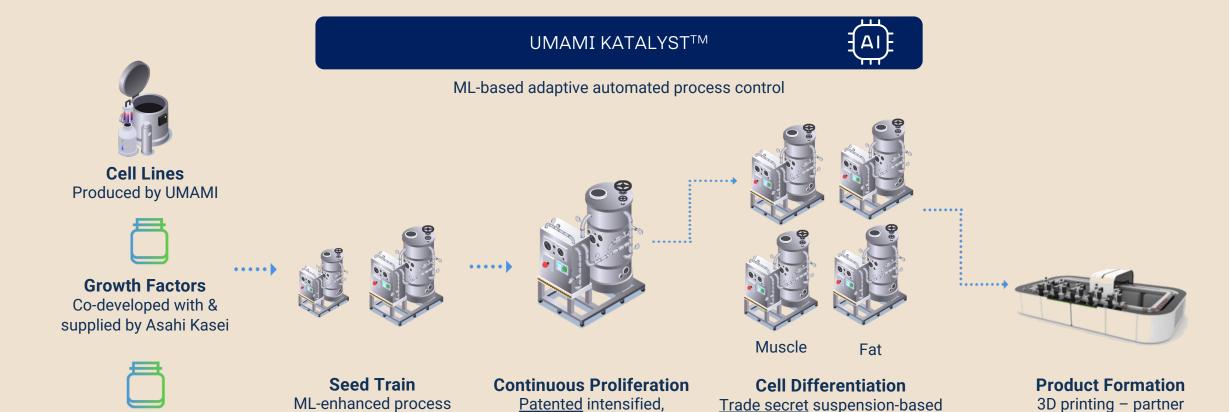


Conference Presentation. Not for distribution.

CRUCIBLETM



Our modular, automated, 'plug & play' production solution



continuous perfusion process

Regulatory Pre-Approved

Culture Media
Supplied by strategic
supplier TBA

Rapidly Deployable

optimization

~25% CapEx vs. traditional

differentiation process

Over-the-air Updatable

To succeed globally, cultivated seafood must go local. We're building a network of partners to power global success.





















