



AI ACCELERATED PRODUCT DEVELOPMENT SOFTWARE



NEW PRODUCT DEVELOPMENT (NPD) ENABLEMENT TECHNOLOGY

Simplify product design

Comprehensive digital NPD workbench for product & process design



Sensory in-the-loop

Fully integrated sensory experiment management & reporting tools



Unlock AI for Food R&D

Unleash the power of AI for food science

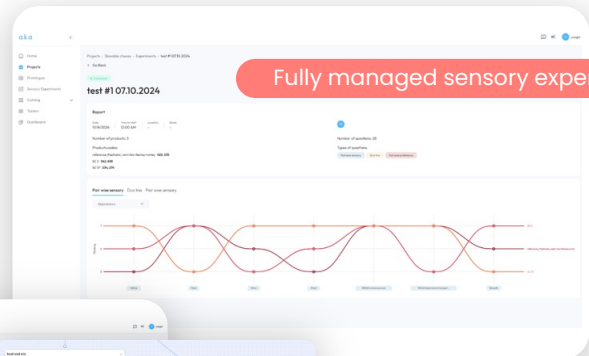
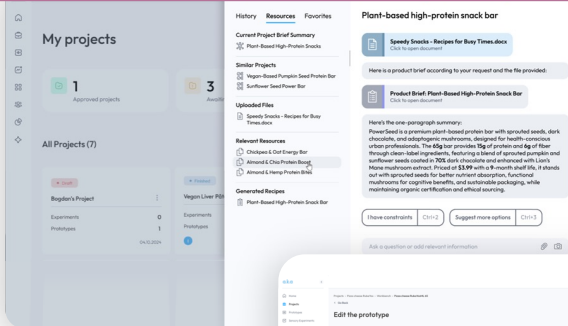


80% OF NEW PRODUCT DEVELOPMENT FAILS

- ❑ **Legacy tools** – Fail to meet the evolving demands of modern food tech
- ❑ **Unstructured & multimodal data** – Navigating vast, diverse & disorganized food data sets
- ❑ **LLM inaccuracy & hallucinations** – Industrial food domain-specific knowledge absent
- ❑ **Objective sensory data elusive** – Informal & formal sensory evaluation data not preserved
- ❑ **Lengthy, complex processes** – Requiring numerous iterations
- ❑ **Multi-dimensional challenges** – Simultaneously balancing cost, texture, nutrition, & taste
- ❑ **Knowledge loss** – Talent churn compromises NPD efficiency

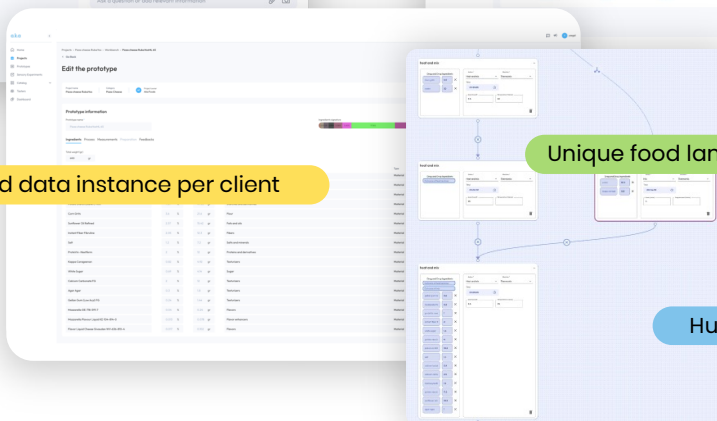
SECURE. BESPOKE. AI-ENABLED. HUMAN AND SENSORY-IN-THE LOOP

AI NPD Assistant & client-specific food knowledge RAG system



Fully managed sensory experiments

Secure and unique siloed data instance per client



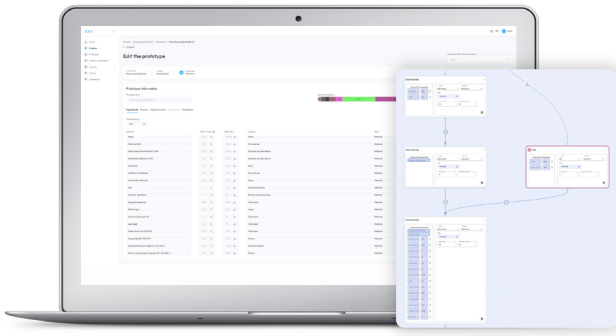
Unique food language for formula & process

Human expert in-the-loop

AI-ENABLED NPD PLATFORM

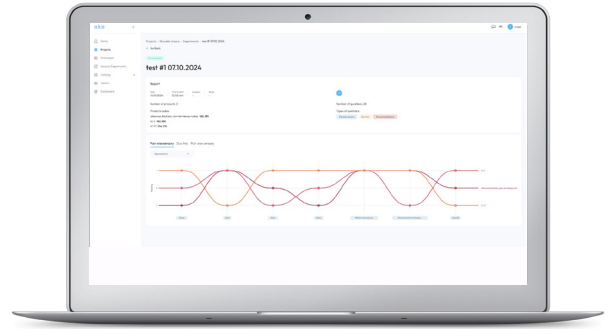
- Integrates all aspects of prototype recipe development, process design and prototype assessment, while ensuring organizations have a robustly curated, AI-ready, and actionable single source of truth.
- Augments the capabilities of food technologists with a comprehensive digital workbench and an AI-powered Innovation Assistant.
- Human sensory feedback and panel experiments are seamlessly managed and objectively captured to optimize the new product development process.
- Securely curates client NPD knowledge, fueling the RAG food innovation framework, and efficient deployment of in-house expertise for newly onboarded technologists and ongoing product development projects.

DIGITAL NPD WORKBENCH



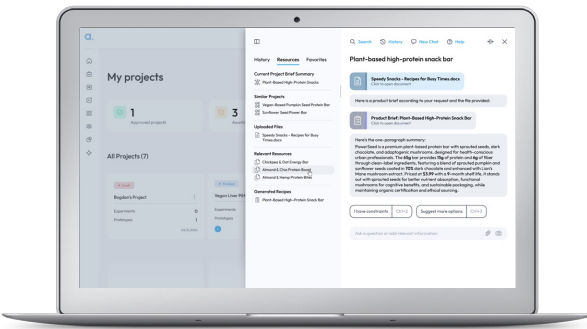
Feature	Benefit
Interactive formulation workspace	Faster recipe design and simplified prototype management
Graphical process design tools	Clear process visualization and reproducibility
Comprehensive ingredient catalog with detailed specifications	Real-time access to accurate ingredient specifications and resources
Custom data sheet upload capability	Elimination of manual data entry
Built-in calculators	Ease of use, reduced errors
Analytical measurement tracking	Single source of truth for all product development data

SENSORY EXPERIMENT MANAGEMENT MODULE



Feature	Benefit
Integrated sensory experiment design tools	Ease of use, more frequent sensory testing possible, standardized testing protocols
Direct integration with prototype data	Faster, more accurate and data-driven prototype iteration loops
Automated taster scheduling system	Elimination of manual sensory panel coordination
Digital data collection	No manual data compilation needed
Real-time experiment monitoring	Agility and flexibility for in situ experiment adaptation
Automated report generation	Immediate access to results & insights

AI NPD ASSISTANT



Feature	Benefit
RAG-based knowledge framework	Instant access to relevant organizational data
Dynamic context adaptation	Context-aware recommendations
Integration with customer knowledge base	Personalized capabilities
Real-time recommendation engine	Practical, implementable
Validation against actual ingredients/equipment	Reduced AI hallucinations
Client-specific continuous learning from platform data	Automatic knowledge capture

ABOUT AKA

At AKA, we envision a future where sustainable plant-based food is delicious, nutritious, and affordable for everyone.

Powered by our advanced Food AI platform, which utilizes a proprietary food syntax linking ingredients, processes, and sensory evaluation, we streamline the entire food development process.

Under one roof, AKA brings together a diverse, multidisciplinary team of food industry entrepreneurs, data scientists, and experienced food technologists.

Our state-of-the-art Food Innovation & Sensory Hub integrates modern labs for food prototyping, data collection, and sensory evaluation.

REQUEST A DEMO

Email: sales@aka-food.com
 Website: www.aka-food.com

