

Feedstock Adaptive Recipe Selection and Supply-chain Co-Pilot



Overview

A breakthrough AI-driven system that transforms surplus feedstock into optimized, production-ready recipes. The technology integrates real-time inventory monitoring, ingredient attribute retrieval, optimization rules, and large language model (LLM) intelligence to minimize waste and streamline manufacturing workflows.

Commercial Value

Reduces waste, stabilizes procurement, enhances supply-chain responsiveness, and ensures efficient reallocation of surplus feedstock across Europe's manufacturing ecosystem.



Key Features;

- Real-time overstock signal detection.
- Automatic ingredient attribute retrieval.
- LLM-powered recipe generation,
- Optimization-based recipe selection.
- Automated recommendations for partner manufacturers.

Applications

- Food & beverage manufacturing.
- Ingredient, additive, and flavor producers.
- Co-manufacturers and private-label producers.
- Retail production units.
- Biotech/fermentation and alt-protein.
- Pet food and nutraceuticals.

Competitive Advantage

No existing system unifies overstock detection, ingredient analytics, and LLM-driven recipe formulation. This patented approach delivers unmatched automation and intelligence across the production lifecycle.

Market Opportunity

Driven by EU sustainability mandates, rising ingredient costs, and digital transformation, the market for AI-based recipe and inventory optimization is projected to surpass USD 280 million by 2032.

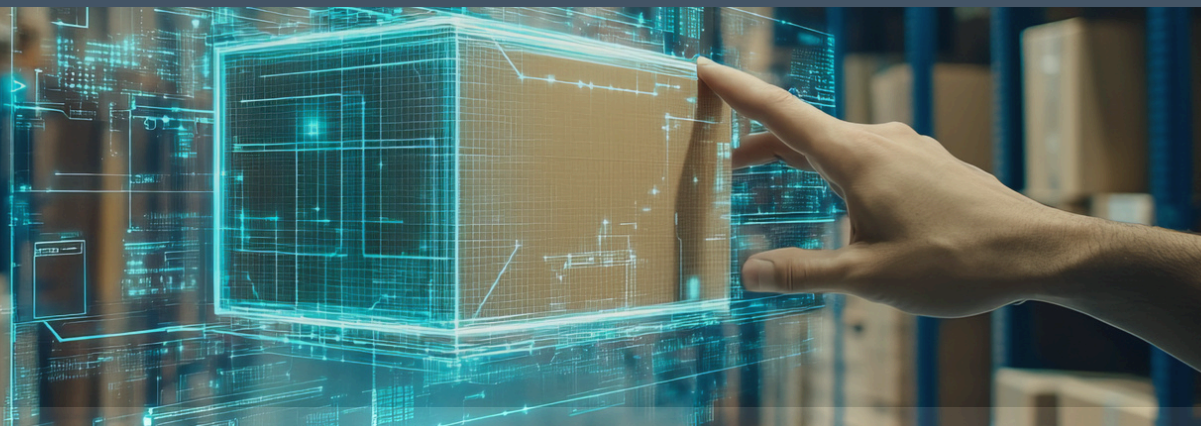
Licensing Opportunities

Ideal licensees include ERP and MES providers (SAP, Microsoft Dynamics 365, Infor EU), food-tech platforms (BESTMIX), and sustainability-focused solution providers. Opportunities include exclusive, non-exclusive, and field-of-use licensing models.

Why License This Technology?

- Novelty established through a filed patent application, jointly owned with ILVO.
- High scalability across multiple sectors.
- Immediate integration potential with existing ERP and supply-chain systems.
- Supports EU circular economy and waste-reduction mandates.

PATENT
PENDING



Contact us:

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