

AI Revolution: Impact on Seafood Industry

NFI Future Leaders 2024



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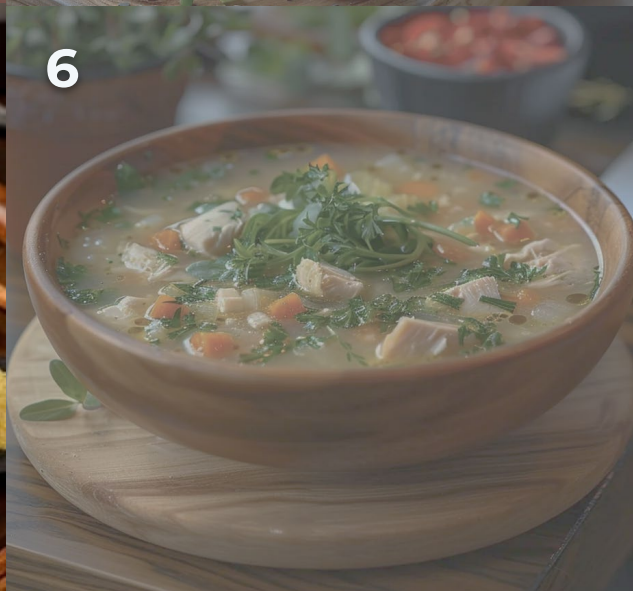
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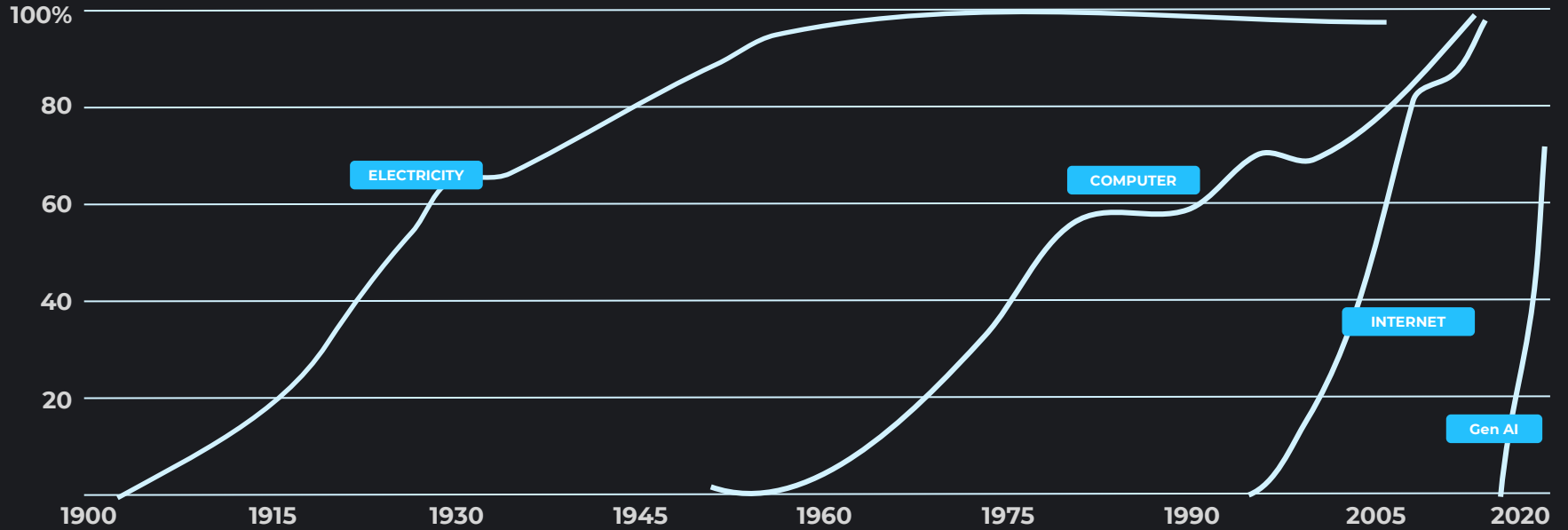
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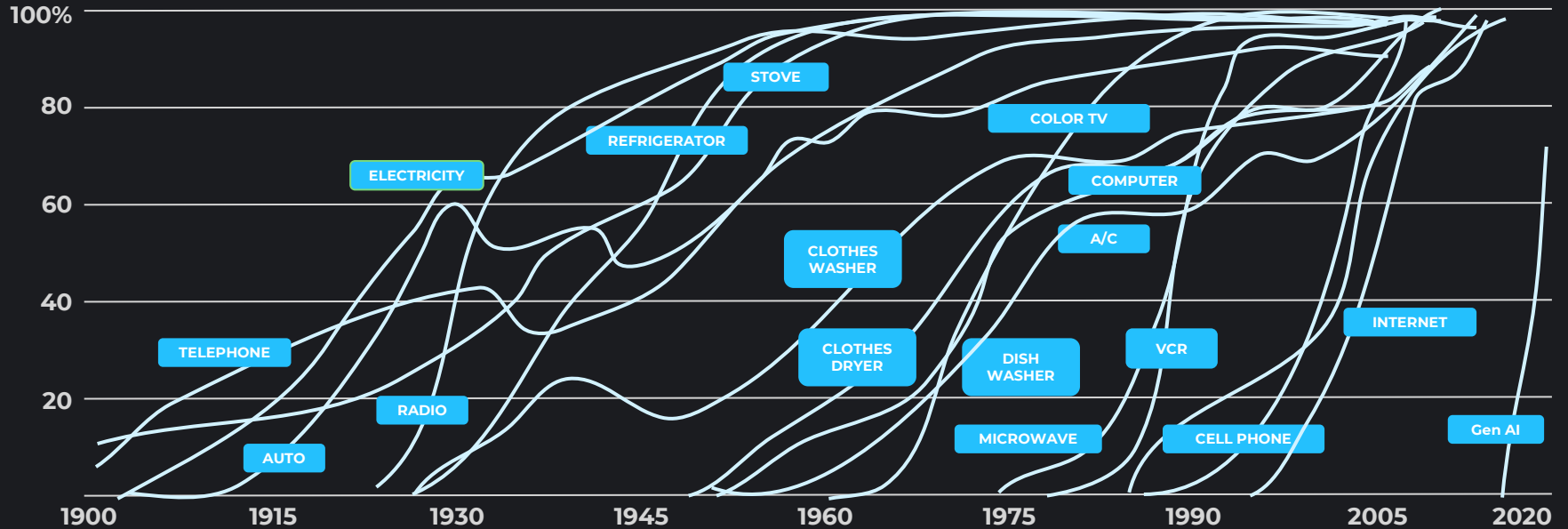
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Household Adoption



Household Adoption



AI in Retail

Shelf Monitoring

- Grocery stores are strategically designed with shelves positioned in the front, middle, and back of the store.
- The placement of the products on these shelves is critical to driving sales, as it can impact a shopper's overall experience.

Real-time Inventory Monitoring

- **Computer Vision:** AI-powered systems use computer vision to continuously scan shelves, ensuring products are in stock and correctly placed.
- **Alerts:** These systems alert store managers about low stock levels or misplaced items, allowing for quick restocking and reducing lost sales due to out-of-stock products.

AI Connecting Consumers to Product

Kiwibot is a robotic sidewalk delivery firm that uses autonomous robots for food and package delivery.

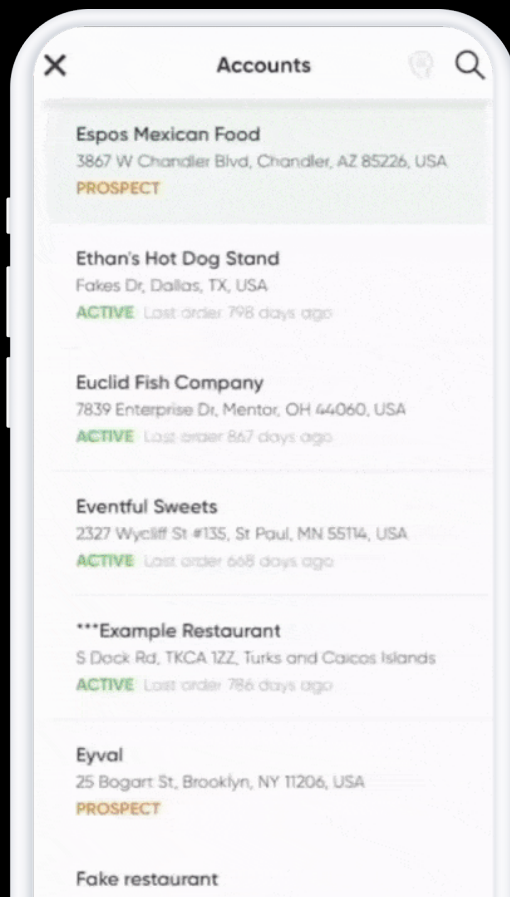
- Kiwibots are designed to be self-sufficient in most of their operations, relying on a high-driving automation system.
- They use artificial intelligence and level 4 autonomy to operate efficiently and effectively in many environments, making them a promising solution for the last-mile delivery industry.
- With this level of autonomy, Kiwibots can make informed decisions on previously defined routines.
- Kiwibot has partnered with [Sodexo](#), [Grubhub](#), [Ordermark](#), [Shopify](#), and [Chick-fil-A](#), offering efficient and convenient last-mile delivery solutions.
- Soon, autonomous robots such as Kiwibot could stock the store shelves, receive and pack a customer's order, and deliver the order all without the use of manual labor.

AI in Foodservice

AI in Foodservice

- **Enhanced Customer Experience:** AI chatbots and voice assistants handle customer inquiries and take orders
- **Order Accuracy and Speed:** AI systems process orders quickly and accurately.
- **Upselling and Personalization:** AI makes personalized recommendations based on customer preferences.
- **Inventory Management:** AI predicts demand and optimizes stock levels to reduce waste.
- **Labor Optimization:** AI automates repetitive tasks, allowing staff to focus on complex activities.
- **Food Preparation and Safety:** AI provides precise cooking instructions and monitors food safety standards.
- **Supply Chain Management:** AI tracks deliveries and ensures timely restocking of ingredients.
- **Data Analytics:** AI analyzes data for insights into customer preferences, sales trends, and operational efficiency.
- **Marketing and Promotions:** AI-driven tools create targeted marketing campaigns.
- **Sustainability:** AI reduces food waste and supports sustainable practices.

Transform Prospecting & New Business Sales



EST. 1918
SEATTLE FISH CO.

& GOURMET PROVISIONS

We sustainably feed people.



AI in Aquaculture

AI in Aquaculture

Artificial intelligence (AI) is making significant strides in the field of aquaculture, revolutionizing traditional practices and leading to more efficient and sustainable fish farming

- **Precision Aquafarming:** Optimizes fish farming by analyzing data from sensors to maintain ideal environmental conditions.
- **Fish Health Management:** Monitors fish health through data analysis, detecting diseases early.
- **Smart Feeding Systems:** Enhances feeding practices by determining optimal feeding times and quantities.
- **Environmental Monitoring:** Continuously checks water quality and temperature to ensure optimal conditions.
- **Supply Chain Optimization:** Improves logistics and reduces waste in the supply chain.
- **Breeding and Genetic Improvement:** Uses genetic data for healthier and more productive fish stocks.
- **Robotics and Automation:** Implements robots and drones for maintenance, reducing manual labor.

Transportation Driven AI

AI Warehouse Release, Dispatch and Routing

Warehouse Release:

- Includes past release details for each PO/destination
- TiHi's, labeling details, TTR requirements, temp requirement, delivery requirements on BOL
- Release lots using: FIFO, date codes, master case labeling

AI in Dispatch: Automatically dispatch routine/weekly orders

- Analyze past orders and choose the cost-effective carrier or choose the most used carrier
- Send key requirements to carrier (RDD, temp, tracing, delivery)

AI in Routing

3 test runs attempted with AI routed orders:

- Appointment requirements
- Warehouse hours
- Estimated loading/unloading times
- Truck capacity/pallet positions/gross weight
- Driver hours
- Distance efficient routes.
- Booked appts based on AI recommendations

AI Challenges in Transportation

- Cannot communicate with shipping or receiving warehouses to secure appointments
- Cannot account for delays
- Unable to access driver's hour log or the GPS for tracking
 - Needs to communicate delays to shippers and receivers
 - Set up alerts for issues

AI in the Workplace

Increase Productivity & Collaborate with Ease

Programs like Microsoft Co-Pilot or Otter AI in the workplace provide countless benefits, particularly in our new Hybrid Workplaces

Enhanced efficiency: AI driven scheduling & agenda planning

Superior engagement: real time transcriptions & summaries

Supercharge collaboration: Insights & information provided from the chat as well as the transcript

Increase production: Action items are assigned and follow-up emails automatically sent to ensure completion

Breaking down language barriers: Real-time translation

And so much more is being developed everyday