BROCHURE

AI strategies for sustainable food and beverage companies

Reimagine your impact with Infor Industry AI

Food and beverage manufacturers face increasing pressure to report and act on environmental, social, and governance (ESG) activities. Fueled by evolving regulations and a consumer base that increasingly values sustainable products, many industry leaders are turning to artificial intelligence (AI), from generative AI (GenAI) to machine learning (ML), to help them get the data and productivity benefits they need to meet their ESG goals.

Learn how food and beverage manufacturers are using Infor® Industry AI to help meet their sustainability goals. These use cases are based on actual customer results.

Reduce waste with AI-driven packaging optimization

Opportunity

Orders containing different types and sized products require customized packaging. This is a manual, trial-and-error process, often wasting packaging space and material.

Solution

Infor Augmented Intelligence Service (AIS) provided AI as a service, optimizing packaging by analyzing *product size and weight, container capacity, and costs* to recommend the **most efficient packaging per order** and how they should fit within each container.

No need for your own data scientists.

Impact and key results

<1 minute to optimize packaging for an order	**5–10%** lower packaging cost	**Save time and reduce waste**

Reduce water waste with AI-driven consumption forecasting

Opportunity

A large water utility provider's practice of recording water consumption every three months made it difficult to identify leaks, resulting in wasted water and customer dissatisfaction due to delayed issue detection.

Solution

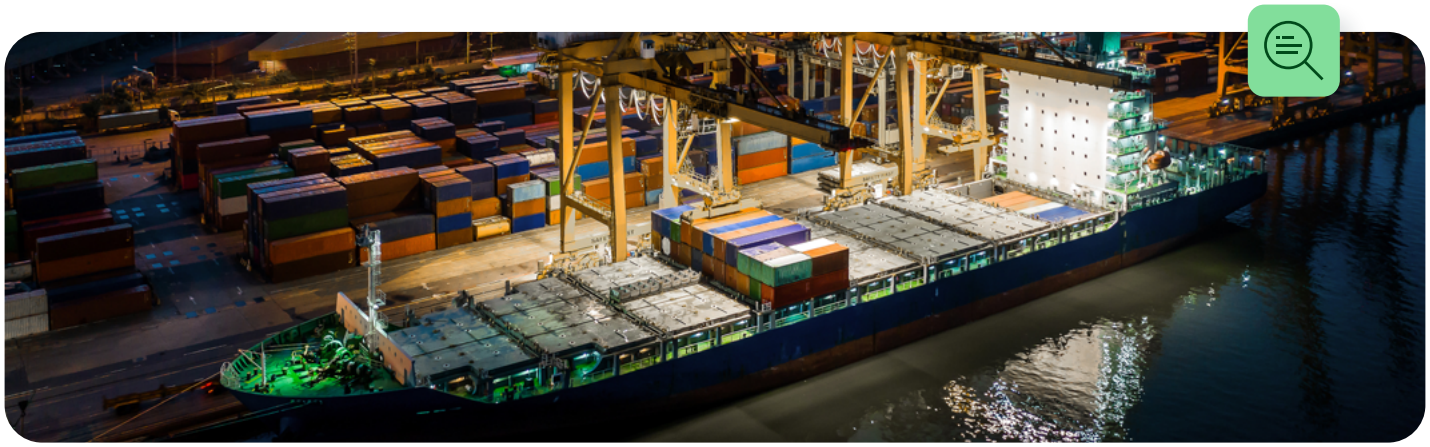
Infor AIS provided AI as a service, **proactively identifying consumption trends and potential issues** by forecasting *monthly water consumption for every customer account.*

Turning quarterly reporting to proactive, monthly insights.

Statistics and key results

88%
forecast accuracy

10M kL
monthly water consumption



Reduce emissions and spoilage with AI-driven equipment maintenance forecasting

Opportunity

An ocean cargo carrier uses reefer units for climate-controlled storage when transporting food and medical supplies. Any reduction in reefer performance can lead to spoilage and wasted energy.

Maintenance is only conducted per original product manufacturer (OEM) recommendations or during a breakdown, causing unplanned changes in schedules, expensive claims, or reduced capacity.

Solution

Infor AIS provided AI as a service, to better **predict the probability of potential equipment failures** by analyzing *equipment age, identification, days since maintenance, and previous maintenance work.*

Creating proactive alerts and preventative maintenance.

Statistics and key results

3,000+	30%	3–5%
total number of assets	improvement	reduction in maintenance costs alone

Sustainable salmon farming with AI-driven outlier detection and image recognition

Opportunity

To maximize yield and quality, a salmon and trout farming company uses genetics to optimize the nutritional contributions of fishmeal in aquaculture production cycles. These teams track growth traits throughout the fish lifecycle to measure results.

The growth traits consist of fish weight and fork length and are measured manually using a scale and a tape measure. The approach is error-prone and time-consuming.

Solution

Infor AIS provided AI as a service to *measure the fork length and identify fish gender through image recognition.* Using AI-driven outlier detection, any non-fish images were ignored to surface **predictions on fish weight.**

Saving thousands of hours of manual work.

Statistics and key results

450,000	95%	92%
average yearly harvest volume in tonnes GWT	accuracy for length prediction	accuracy for weight prediction

Amalthea reduces waste and increases yield with AI-driven milk calculations

Amalthea
Wonders of milk

Opportunity

Amalthea is a goat cheese producer selling in 35+ countries. One challenge is the unpredictability of milk, the primary ingredient. Because milk composition varies, it is difficult to have consistent quality and yield across batches.

Milk yield calculations are done manually once a week or month, with yields calculated on the aggregate level, not by batch. This partial visibility limits opportunities to improve yield causing suboptimal use of raw materials, lower margins, higher waste, and obsolete inventory.

Solution

Using **Infor AIS**, Amalthea **now has real-time visibility down to the cheese batch** allowing operators to *act quickly to improve milk yield*. Other benefits include *improved lot management, sub-lots, expiry, aging, and shelf-life management, and the ability to analyze big data to calculate the optimal use of materials to maximize yield.*

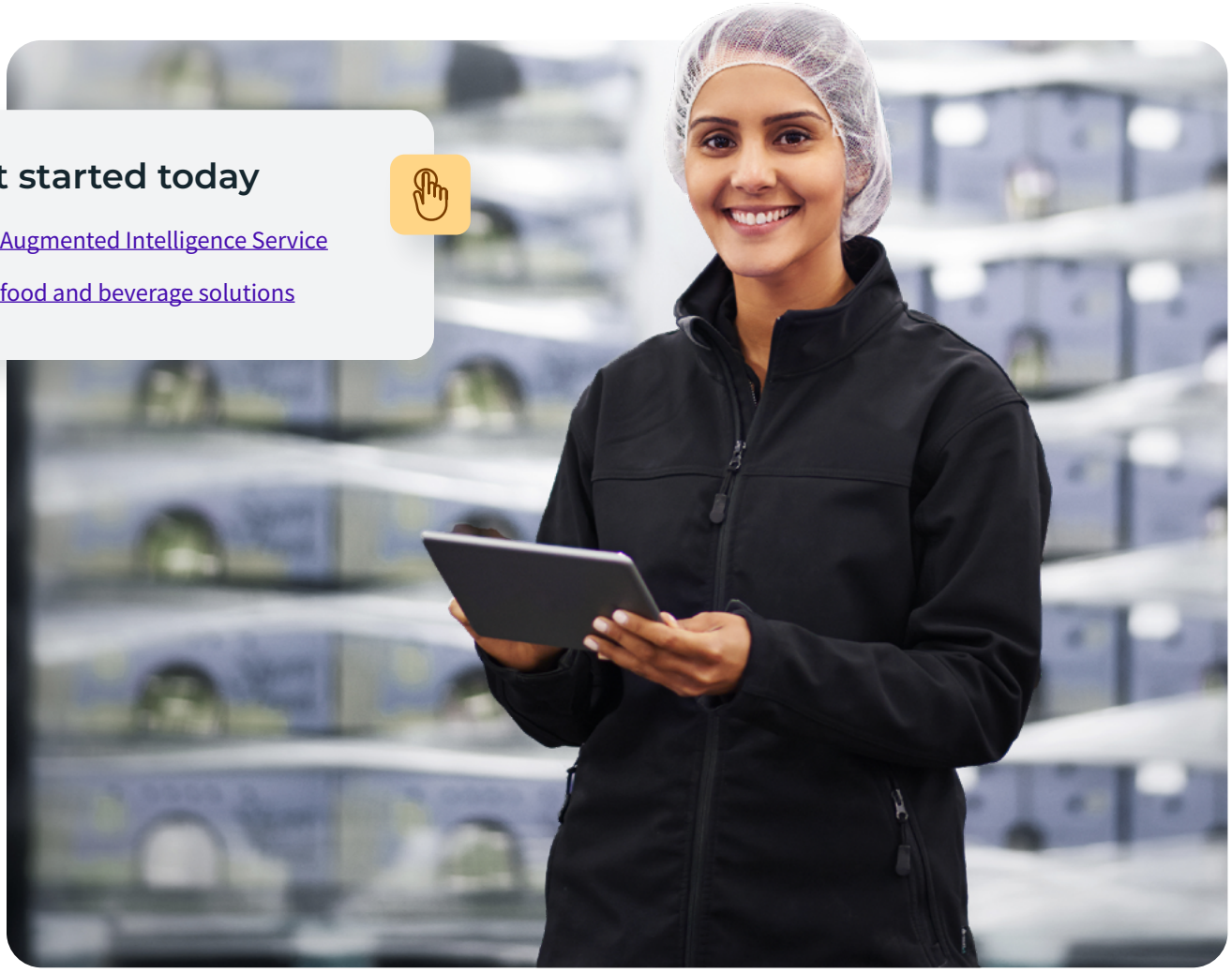
Watch the video here.

Impact and key results

1%
increase in yield, saving
€500k

Reduced waste, less obsolete inventory

Higher yields



Get started today

Infor Augmented Intelligence Service

Infor food and beverage solutions

About Infor

Infor is a global leader in business cloud software products for companies in industry-specific markets. Infor builds complete industry suites in the cloud and efficiently deploys technology that puts the user experience first, leverages data science, and integrates easily into existing systems. Over 67,000 organizations worldwide rely on Infor to help overcome market disruptions and achieve business-wide digital transformation.

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Use Infor Industry AI to help you meet your sustainability goals

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