



Generative AI in Food and Beverages will go beyond R&D and marketing functions to strategy & operations

Increase productivity of Consumer Products industry by $^{\sim}2.0\%$ of annual revenues, or an additional \$400b to \$660b

Food & beverages is 36% of the US\$39.2m global GAI in CP sector, growing at 22.5% CAGR to 2032

Food Priorities of today

Marketing campaigns, engaging in rebranding initiatives, leveraging insights for employee engagement and portfolio expansion

Food Evolution tomorrow

Expand to also drive R&D, quality control, supply chain, and after-sales services.

Beverages Priorities of today

Support flavor and packaging development

Content generation for personalized marketing and

engagement

Beverages Evolution tomorrow

Re-invent their marketing strategy, i.e. how they produce content, speed of iteration and enabling two-way conversations with their customers

The potential for using AI for value has accelerated with the introduction of Generative AI (and subsequently Agentic AI)

Artificial Intelligence

Al, or artificial intelligence, is a field of computer science that focuses on creating intelligent machines capable of tasks requiring human intelligence.

Machine Learning

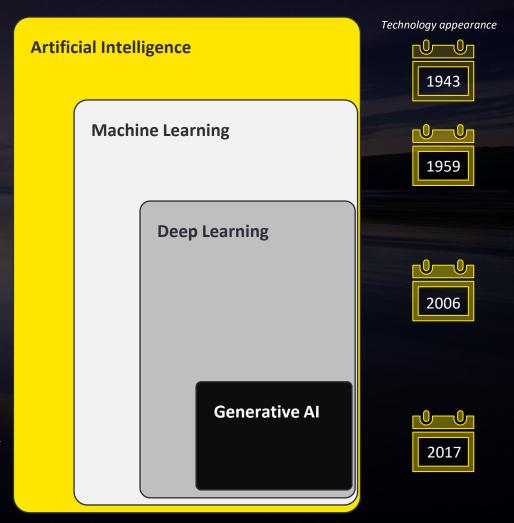
Machine learning is a subfield of artificial intelligence, which is broadly defined as the capability of a machine to imitate intelligent human behaviour.

Deep Learning

Deep learning is a subset of machine learning, which is essentially a neural network with three or more layers.

Generative AI

Generative AI is a type of artificial intelligence that can create new content such as images, text, audio, or video based on the data it has been trained on, using techniques like large language models, transformer neural networks, and generative adversarial networks.





Generative AI is a powerful tool for businesses seeking to innovate and stay ahead of the competition



Adaptive learning

GPT can ingest new information to provide AI services tailored to the industry.



Summarizing

GPT can be used to summarize customer emails, calls transcripts and lengthy documents.



Content Creation

GPT can be used to generate highquality written content, such as articles, blog posts, and product descriptions.



Code Generation & Correction

Write boilerplate code and explaining what a code section is doing



Knowledge Management

GPT Models can be trained on large amounts of data and provide answers to questions in natural language



Language Translation

Organisations can use GPT to translate from English to Spanish, French & Japanese.



Text Classification

Organizations can leverage GPT to classify texts using sentiment analysis.



Parse Unstructured Text

GPT allows you to create structured data such as tables or JSON formatted text from raw unstructured data/text.



The potential upside is significant

Marketing	45% increase in targeting accuracy		Supply Chain	10%-20% cost savings	15% improved supply chain reliability
Digital & IT	~30% Cost Savings		Manufacturing	10% Increase in product yield and	15% Regulatory cost reduction
Sales	10% increase in HCP prescribing and	25% sales force reduction	Compliance & Legal	44% task automation	
Procurement	90% increased efficiency in vendor selection and	10% increase in cost savings			



Al is today delivering benefits across the Food and Beverages value chain

Product Development



Starbucks invested \$1b in Al for vegan breakfast sandwiches and visualizing early prototypes

P&G

P&G automates AI to enhance product portfolio by identifying popular items, ensuring quality, and boosting manufacturing efficiency.



Campbell Soup leverages a Generative Al-driven data analysis engine and +300 data items to accelerate product development

Marketing



Coca-Cola's "Create Real Magic" campaign lets consumers use ChatGPT and DALL-E to craft ads for the company



Nestlé used DALL-E 2 to create a new artwork imagery of an existing "oil-on-canvas" masterpiece over 350 years ago for its yoghurt product La Laitière.

Sales



Instacart's Ask Instacart uses GenerativeAl to answer shopper questions and offer custom product recommendations (sponsored campaigns



Tesco utilizes AI algorithms to predict demand, optimize distribution, pricing, and promotions with accuracy

Supply Chain

DIAGEO

Diageo has introduced a Generative Al-powered tool for transforming its packaging design development process



Zoetis has embedded AI to transform their planning processes and address specific out of stock issues

Manufacturing

Johnson &Johnson

J&J has used AI to identify 3-5% yield improvements across their manufacturing plants for a high demand drug



Pfizer are adopting AI across their manufacturing processes, e.g. automate process documentation, AI enabled quality, etc

Enterprise Services





integrating AnswerRocket's Max assistant chatbot in its operations to generate business insights and improve employee efficiency and experience



EY is transforming our tax and audit services through +150 Agentic AI Agents on a NVIDIA platform delivering +3m compliance outputs





RFP Response Analysis Negotiator

RFP Negotiation Assistant

This application assists in processing RFPs and generating negotiation strategies. Follow these steps:

- 1. Define your procurement need with KPIs.
- 2. Upload the RFPs from different vendors.
- 3. Review the generated executive summaries for each RFP.
- 4. Generate and Review negotiation strategies.
- 5. Generate, Edit and Save the outreach emails.

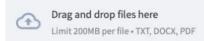
1. Define Your Procurement Need

Objective details and negotiation priorities

Order Quantity:	Budget:	Desired Timeline:	Volume Discount:
Enter value	Enter value	Enter value	Enter value

2. Upload RFP Documents

Upload RFP Documents



Browse files

Select a Product Category:

Self-Clinching Pins - Type FH, F... 💙

Hole Size in Sheet

0 10

0.09 0.31

P - Nominal Pin Diameter ± .002

0.09

0.07 0.28

L - Length ± .015

0.29

0.25 1.50

H - Height ± .015

0.16

0.15 0.38

Fastener Material

0 ~

Standard Finish

0

Optional Finish

0

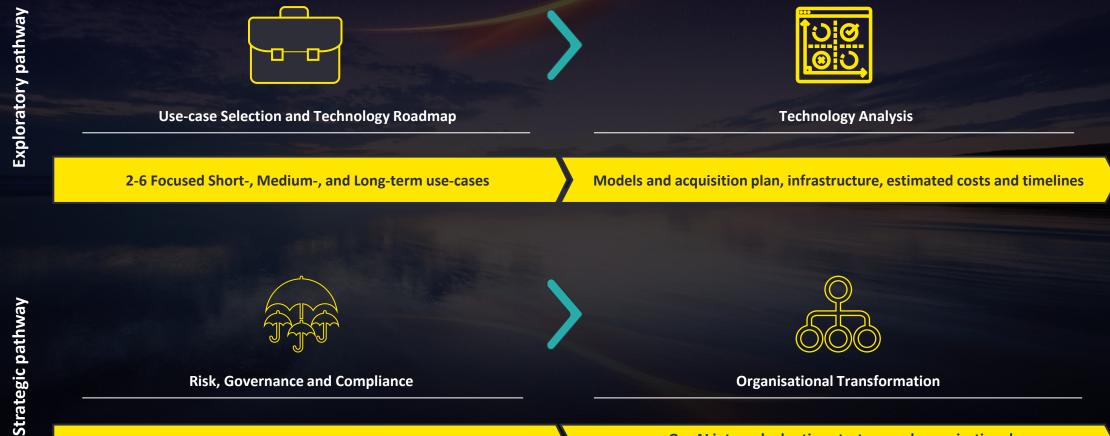
Price Prediction for Bespoke Metal Fasteners

Product: Self-Clinching Pins - Type FH, FHS, FHA - Unified

	Fastener Material	Standard Finish	Optional Finish
	300 Series Stainless Steel	No Finish	Zinc plated per ASTM B633, SC1 (5µm), Type II, yellow
1	Aluminum (Plain Finish)	Passivated and/or tested per ASTM A380	None
2	Heat-Treated Carbon Steel	Zinc plated per ASTM B633, SC1 (5 μ m), Type III, colorless	None
3			

Enter User Inquiry:

Predict



Policies and procedures, risk report and governance recommendations

GenAl internal adoption strategy and organisational transformation roadmap



About EY AI Labs; Where innovation leads to real business outcome





The EY Wavespace™ AI Lab was established in Dublin in 2022 as part of a global network of over 50 EY Wavespace™ locations and is a European hub for innovation. The AI Lab provides a location and capability for clients to collaborate, plan and prototype how they can take full advantage of this transformative technology.

Al Labs is a multidisciplinary center of excellence for driving innovation through the applications of Agentic Al, Generative AI, machine learning and advanced analytics.

Agentic / Generative AI (GenAI)

Revolutionizing customer and employee engagement with Agentic AI and GenAI technology

Digital Manufacturing

Define and design intelligent Manufacturing, Quality and Supply Chain solutions leveraging data analytics and AI to fit your organisation and enable operational excellence

Commercial & Market Access

Reimagine customer engagement and alignment with cutting edge technologies

Enterprise

Advanced design and solutions across tax, payroll management, procurement readiness and cost efficiency

- Agentic AI / GenAI strategy and roadmap
- Agentic AI / GenAI use case development and rapid prototyping
- Al value realization & responsible Al implementations
- Yield optimization and Golden Batch
- Anomaly detection and predictive failures
- Real time CMO and supplier analytics
- Digital quality and audit
- Smart factory / digital twin
- S/4HANA Journey Al accelerator
- Digital HCP engagement and campaign management
- Commercial analytics (GtN, etc.)
- Intelligent patient services
- Drug launch management
- Next generation market access
- Intelligent finance and procurement
- Digital payroll
- GBS control tower
- Al-enabled marketing material





The AI Lab has a partnership with ADAPT, Ireland's AI collaboration across eight universities and welcomed 75+ clients to our AI Lab capability, including over a dozen Life Sciences sessions. Watch Bayer take full advantage of our <u>EY Wavespace™ here</u>

