AI beyond the hype

From first steps to real impact – FDF, Barclays, Argon & Co

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AI BEYOND THE HYPE – FROM FIRST STEPS TO REAL IMPACT



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AI in food manufacturing: An emerging future

BARCLAYS

71%

Food & Drink manufacturers lose 10-20% of production time due to unplanned downtime

1%

Executives surveyed believe their current utilisation of sensor and machine data is ‘very effective’

90%

Manufacturers believe AI has the potential to improve speed of decision-making

ABP UK's journey with data & AI over the last decade

3D imaging to assess beef carcasses, providing a more accurate measure of quality, yield and value compared to manual grading

Incorporated **grading data** into its payment systems, allowing data to be available online to farmers around their cattle within 30 minutes of scanning

AI-enabled camera systems, combining computer vision and machine learning, to monitor livestock behaviour in real-time and detect signs of distress or potential health issues



Where is AI demonstrating meaningful value?

Quality inspection	Process optimisation	Production scheduling	Predictive maintenance	NPD
Identifying fill-level deviations, seal defects, damaged packs, incorrect labels, colour variation or foreign material	Modelling how recipe changes affect mixing, heating, cooling, filling, yield, throughput, texture and line constraints	Optimising production plans based on capacity, priorities and constraints	Using sensor data (vibration, temperature, etc.) to predict equipment failures	Analysing insights from previous product launches and ranges, suggesting successful features

These are just a selection of use cases, with more opportunities across functions including marketing, technical and finance

Forming a business case for investment in data, automation and AI opportunities

1. Identify **pain points** aligned to business value and priorities
2. **Prioritise** – which of these hold a ROI?
3. **Start small** to test the concept
4. **Measure value** and assess **ability to scale**
5. **Fix the foundations** as key enablers

Q&A

Continue the conversation:

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