



FOOD AND AGRICULTURE · DECISION SUPPORT

Commodity Trading Support System

A commodity-trading conglomerate used Quantum One to shorten decision-making, with an LLM system reading 500+ sources in real time.

IMPACT

500+

Data sources aggregated in real time

2,000 pages

Text datasets processed by the LLM

**Reduced
decision-making time**

CLIENT PROFILE

CLIENT

A major commodity trading company

COMPANY TYPE

Commodity trading

INDUSTRY

Food and Agriculture

SCENARIO

Decision support

CHALLENGES

- The trade of food products depends on global factors such as changes in legislation, weather conditions, and disruptions in supply routes — real-time news monitoring and timely action are critical.

- Forecasting and tracking inventory components is essential, including demand and consumption, import monitoring, and quality and waste tracking.

APPROACH

Through the integration of various data sources and LLM capabilities, the system supports food security, market stability, and strategic decision-making.

The LLM-based system analyzes hundreds of pages of relevant texts — news articles, government reports, research papers — to provide a comprehensive market overview, with real-time data and analytics on market trends, price movements, demand and supply dynamics, and geopolitical factors.

BENEFITS

- Market analysis across news, government reports and research papers
- Real-time analytics on trends, price movements and supply dynamics
- Inventory monitoring: levels and accumulation tracked continuously
- Inventory level forecasting
- Demand scenario system
- Dashboard for burn rate planning

TIME TO PRODUCTION

Stage	Quantum One	Typical process	
Problem definition	1 week	2–3 weeks	
Proof of concept	2–3 weeks	4–6 weeks	
MVP	4–6 weeks	8–12 weeks	
Scale-up	1–2 months	3–4 months	
Maintenance	Ongoing	—	

TAKE THE NEXT STEP

Speak with our experts to discuss tailored AI solutions for your industry

quantumone.ae