

POST-COVID-19: HOW TECHNOLOGY IS RESHAPING THE FOOD & BEVERAGE SUPPLY CHAIN

Exploring the long-term growth opportunities digital innovation offers the F&B supply chain



SHORT-TERM IMPLICATIONS

LONG-TERM IMPLICATIONS

Country-wide lockdown measures resulting in F&B processing plant shutdowns

Geopolitical tensions increasing export risk (e.g., trade tensions with China)

Disruptions to flow of products and access to raw materials and equipment

Priority on the sourcing of raw materials locally, encouraging more local production

Supply shortages, delays, longer lead times, and bottlenecks

Greater focus on employee health and safety with increased frequency of cleaning, higher uptake of personal protective equipment (PPE), and personal hygiene practices and food handling protocols for logistics workers

Restocking issues

Declines in the export of agricultural and processed food products

Stricter food safety and security obligations as well as stringent biosecurity compliance requirements, potentially raising costs, but driving demand for track and trace technologies

Surge in demand for food delivery services

High activity on e-commerce platforms

Expansion of dark stores to fulfil online orders

Higher demand for packaging that improves the shelf life of perishables



DECENTRALISATION AND THE NEED FOR LOCAL SUPPLY TO MITIGATE FOOD SECURITY RISKS

Availability of local raw materials (Australia produces more food than it can consume)

Alternative supply sources (only 11% of food consumed locally is imported)

SUPPLY CHAIN GROWTH OPPORTUNITIES

ON-DEMAND TRACEABILITY AND TRANSPARENCY ACROSS THE SUPPLY CHAIN

Connected sensors and rapid test kits for real-time monitoring

Smart labels (on-pack freshness indicators, source data via QR codes)

Digital and integrated supply chains

B2B mobile applications

Predictive analytics to map scenarios and assess supply chain risks

THIRD-PARTY DELIVERY PLATFORMS TO SERVE AS COMPLETE FOOD TECH COMPANIES

Vertical integration across the supply chain

Partnerships with food services and food retailers

More agile logistics services for supermarkets

Online platforms as new e-commerce channels