

Digital Transformation in Logistics

May 2022

Table of Contents

INTRODUCTION

Scope

Key findings

Trends driving technological changes in logistics

Companies invest in supply chain resiliency to avoid future disruptions

Production localisation to lift demand for warehouses and road transportation

E-commerce growth to fuel demand for the last-mile delivery

Logistics companies will need to invest more into sustainable transportation networks

Technologies enabling changes in the global logistics network

DIGITAL TOOLS IN LOGISTICS

Cloud computing to help increase responsiveness and offer new business models

Case study: Move to the cloud helped JB Hunt to improve customer satisfaction

Data analysis tools can help logistics companies to reduce operational expenses

Case study: UPS applies big data analytics to optimise routes

IoT technologies offer improved delivery times and lower costs to the buyers

Blockchain technology to help improve security and build more trust

PROCESS OPTIMISATION

Artificial intelligence tools help to boost efficiency of logistical operations

Automation and robotisation to help reduce labour costs and tackle staff shortages

Case study: DHL Supply Chain expands collaboration with Locus Robotics

Case study: ArcBest and NFI Industries deploy remotely operated equipment

Digital technologies help to tackle major challenges in logistics operations

Automated solutions helping to optimise logistics processes

End consumers are expected to benefit from lower logistics costs

LAST-MILE DELIVERY

Growing demand for last-mile delivery services pushed by the boom in e-commerce

Autonomous vehicles look to disrupt last-mile delivery services in the future

3D printing can shorten supply chains and reduce carbon emissions

More efficient last-mile delivery can improve business bottom lines

Aramex and what3words partnership to provide more efficient last-mile delivery

SUSTAINABILITY TRENDS

Consumers prefer green solutions and sustainability

Corporate preferences to influence changes in logistics

Improved route planning in logistics to help reduce environmental impact

Drones to increase efficiency and help to reduce costs across the supply chain

Case study: Amazon Prime Air uses drones in delivery

CONCLUSION

Summary 1 key trends

About Euromonitor International

Euromonitor International is an independent market intelligence provider. Data, insight and analysis stem from in-the-field research spanning 210 national markets.

Content ranges from the in-depth and country-specific, to key strategic themes with a global range and significance. Products cover a comprehensive range of insights and market data, but can be broadly categorised as:

- **Strategy Briefings:** Global or regional in scope, and focussing on the most important themes shaping consumer demand, the

key markets, competitive environment and future outlook across a range of industries.

- **Company Profiles:** Analysis dedicated to the world's most significant companies, with detailed insight into their activities, focus of operations, their competitors, their geographic presence and performance.
- **Country Reports:** For an in-depth understanding of specific countries, whether by industry, economic metrics or consumer trends and lifestyles. These reports cover current trends, consumer demand, market potential and future prospects, with country-specific local insight and comprehensive data, unavailable elsewhere.

For more information on this report, further enquiries can be directed via this link www.euromonitor.com/digital-transformation-in-logistics/report.