

## Digital Transformation in Global Manufacturing

October 2021

**Table of Contents** 

Scope

Key findings

Exploring Digital Transformation in Economies and Consumers

Digital Transformation in Economies in-depth

Three areas of digital manufacturing

COVID-19 pandemic accelerates digital transformation

Developing markets take the lead in reshaping and implementing digital strategies

Evolution of digital transformation

Digital tools to enable more advanced business models

Companies turn to digital tools to cope with COVID-19 effects

Case study: Garlock – using digital tools for crisis response

Advanced production methods to help manufacturing companies remain competitive

Household essentials leads investments in automation and new supply chain technologies

Case study: Arrival – using microfactories to produce electric vans

Manufacturers place more focus on e-commerce/omnichannel distribution

Digital tools enable companies to create new revenue streams

The automotive industry is engaging the most in global scenario planning

Case study: Shell uses scenario planning to identify post-pandemic opportunities

Manufacturing-as-a-Service offers greater flexibility and customisation

Case study: Gilead Sciences and Pfizer collaborate to speed up production

Case study: Kaeser Kompressoren – selling desired outcomes to customers

Benefits of digital technologies

Streamlined production process can lift production efficiency

Digital tools can help to reduce production downtime

Better supply chain management to reduce transportation costs

Case study: Taylor Farms uses digital tools to improve logistics

Higher innovation level to help drive revenue growth

Case study: Caterpillar's machinery simulation

Case study: Philips Lighting uses tracking system

New production methods enable product customisation

Case study: Ford's Al-equipped robots for flexible manufacturing

Potential challenges in digital transition

How companies can overcome challenges in digital transformation

Conclusion

## 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 focusing 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.

manufacturing/report.