

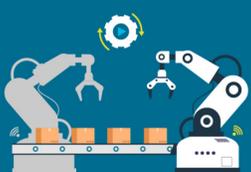
Manufacturing and IoT: A Billion-Dollar Opportunity

Internet of Things (IoT) technologies are shaking up the manufacturing industry, with huge investments indicating big benefits are there for the taking.

IoT spending in the APEJ smart manufacturing sector is expected to reach **\$140.6 billion by 2025**.¹



90% of manufacturers expect digitising production processes will result in more long-term benefits, over and above potential risks.²



58% of manufacturers say IoT is required to transform industrial operations globally, else they get left behind amidst rapid changes.³



What's driving the billion-dollar spend?

Cybersecurity

Advanced IoT solutions include authorisation, identity access and security baked in, so manufacturers can rest easy.

Competitiveness

Manufacturers can gain a competitive edge with the likes of operational intelligence, quality assurance, and automated equipment management.

Connectivity

Connected supply chains, improved data flow between locations and devices, and remote monitoring are potential benefits of IoT connectivity.

Customer satisfaction

IoT solutions can offer malfunction prediction, safety logistics management, and the ability to track KPIs with automated dashboards.



The three main areas of impact



Operations

Sensors in machinery and equipment can collect real-time data on operations. This can then be fed into the cloud for analysis, which can improve visibility, safety and efficiency.



Supply chain

IoT trackers keep tabs on the entire supply chain, from manufacturers, to distributors, to suppliers - including all touchpoints. Data can be pulled into a central management system for ease of use.



Third-party

If a manufacturer brings on a third-party partner, they can still track and monitor production and supply via IoT deployment, and maintain a view over distributed and outsourced processes.

Manufacturing, IoT and the automotive industry

The automotive industry alone will generate **\$23.6 billion** globally for IoT-related revenue.⁴



37% of car buyers state they'd switch brands for **improved connectivity**.



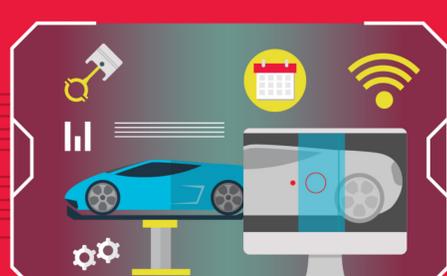
39% state they're interested in additional **digital features** for their vehicle.⁵



47% for **premium** shoppers.⁵



However, challenges remain, with OEMs struggling to successfully capture and monetise vehicle data.



Improving production

OEMs can optimise R&D hardware to adjust specifications and features based on real-time data. From here, **embedded IoT in production vehicles enables innovations in connected cars as well as predictive maintenance**.



Improving monetisation

Choosing the right managed services provider, monetising the customer lifecycle, and using data to respond to new regulations are **key ways OEMs can leverage IoT to improve outcomes and profit**.

Streamlining Manufacturing IoT with Singtel



Singtel helps you to build a robust and sustainable IoT infrastructure for your manufacturing processes, from factory to customer.

Our platform approach **brings together the right mobile connectivity solutions** and partners to overcome obstacles and unlock greater value.

Contact us

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