

Wearables are about to take manufacturing productivity to new levels.

Wearables powered by Industrial Internet of Things (IIoT) transform how workers interact with machines, learn new tasks, and stay safe on the job. This will result in a sharp rise in productivity and efficiency in the manufacturing industry.



The rise in the adoption of wearables

The adoption of wearable technology is growing worldwide, especially in the manufacturing industry.

37%

of manufacturing companies have already implemented wearables, connecting the workforce in their factories¹.

61%

of manufacturing companies plan to implement wearables in the next 5 years¹.

Common examples of wearables in the manufacturing industry.



Smart Glasses

Provide Augmented Reality (AR) overlays for real-time instructions and equipment diagnostics.



Connected Helmets

Monitor worker health and environmental conditions to enhance safety.



Wearable Sensors

Track movement and posture to reduce workplace injuries and improve ergonomics.

How does the use of wearables and IIoT boost productivity in manufacturing companies?

1 Predictive maintenance with real-time insights

Workers equipped with wearables get instant access to machine performance data and diagnostics.

This improves predictive maintenance, minimises downtime with real-time alerts and updates, and ensures faster issue resolution.

Wearables improve predictive maintenance, which can reduce downtime by 50% and extend equipment lifespan by 40%².



2 Enhanced safety for workers

Wearables and other IIoT technologies also help ensure safety, with instant alerts for hazardous conditions. They can also track worker locations and send emergency notifications in critical situations.

IIoT adoption can result in a 20% reduction in workplace accidents³.

3 Smarter training, faster onboarding

Workers can be onboarded more quickly with step-by-step instructions and training modules directly through wearables and smart manufacturing techniques.

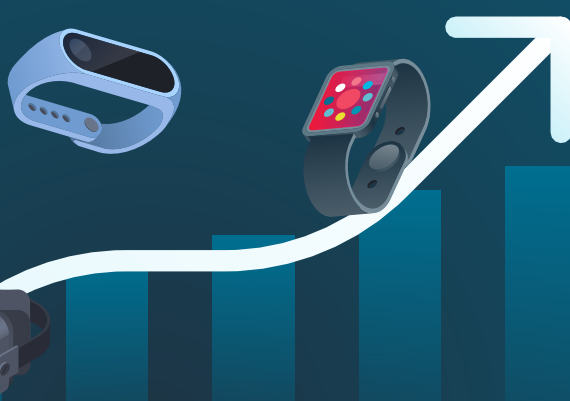
This helps reduce errors and improve efficiency with visual guides and augmented reality (AR) overlays.

Productivity gains was ranked as the top smart factory objective among decision makers⁴.



Boost to the business bottom line

All the benefits of wearables can collectively boost the bottom line for manufacturers, making them a valuable investment.



Wearables have an average payback period of **2.7 years**, with **11%** of companies achieving it in less than one year⁵.

Power your IIoT ecosystem with SD-WAN

To get the most out of the wearable and IIoT devices in your business, you could adopt a robust Software-defined Wide Area Network (SD-WAN) solution.

Singtel offers manufacturing businesses both SD-WAN and IIoT solutions. The SD-WAN offers a flexible and agile network for easy deployment and intelligent traffic routing, while the IIoT connectivity solutions provide a broad portfolio of products to fit business needs.



Contact Singtel today to get the most out of wearable technologies in your manufacturing business.

[Contact us](#)

References:

- ¹ The Rise of the Connected Factory, Charting Manufacturing's Digital Transformation, ZEBRA, 2024
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- ³ Unlocking the productivity potential of the Industrial IoT, KPMG, 2024
- ⁴ Smart Factory. High tech, higher challenge? Porsche Consulting, 2023
- ⁵ PwC Digital Factory Transformation Survey 2022, PwC