Toyota Motors:
Digitizing Lean with RTLS

50%
reduction
in safety stocks

1 sec
information
lead time

18 000
man-hours freed
up annually

Toyota, the company that fine-tuned lean, is taking it digital with HID's Industrial Real-Time Location System (RTLS). By turning Kanban into a real-time application, they reduced waste and unlocked a new level of efficiency that was impossible with manual processes.

TOYOTA
MOTOR MANUFACTURING CZECH

Key Reasons for Choosing HID Sewio RTLS

- Robust, reliable and accurate technology

- Clear ROI through a proof-of-concept project

- Seamless integration with eKanban

- Expert partnership and long-term support

Solution

- **Pilot project with clear ROI:** A proof-of-concept with RTLS monitors material flow between press and welding shops, reaching ROI within two years.

- **Ultra-wideband technology:** UWB-powered RTLS delivers precise, reliable, interference-free tracking in a metal-heavy environment.

- **Live digital Kanban:** Every pallet is tagged and becomes a real-time Kanban card that feeds accurate location data directly into the eKanban system.

- **Seamless integration:** The RTLS connects smoothly with other technologies, creating a fully automated digital warehouse.

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Thanks to this digitalization project, we were able to reduce safety stock from eight to four hours and finally run a true Just-in-Time operation. The system paid for itself in two years, and we're only starting to tap into its potential for many more applications.

Vladimir Strnad
GL project team & digitalization
Toyota Motor Manufacturing CZ

Results

Using RTLS, Toyota cut information lead time from eight hours to a second, reduced its buffer stock by half and freed up significant floor space. The digitalization project also reduced three processes and saved four employees, who were reassigned to more valuable tasks. With fewer people moving around the shop floor, the plant also became safer and more efficient than ever.

Discover Industrial RTLS!

REQUEST A PILOT PROJECT