

GlobalLogic

A Hitachi Group Company

Enabling **intelligent** construction tool inventory management

A leading global tool manufacturer needed to consolidate multiple asset management solutions into a single, integrated IoT platform to improve productivity and drive new revenue opportunities. GlobalLogic designed and developed a next-generation tool management system with real-time tracking, predictive maintenance, and seamless integration across applications and devices, optimizing efficiency and boosting sales.

7%

increase in
operating profit

10.7%

increase in global
sales

5%

increase in
productivity



Challenge

The client relied on multiple disconnected asset management solutions, creating inefficiencies in tool tracking, usage, and inventory management.

Workers wasted valuable time searching for equipment, while limited integration with IoT and external systems restricted predictive maintenance and real-time data insights.

These inefficiencies led to lost productivity and missed revenue opportunities.

Staying ahead of the competition called for a scalable, unified platform to streamline operations, enhance user experience, and unlock new business models.

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Value Created

- Developed a **microservices-based tool management platform** integrating IoT for real-time asset tracking and predictive maintenance
- Designed a **web-based admin portal and mobile applications** for seamless inventory management and tool usage insights
- Enabled **multi-tenant, multi-language, and multi-license capabilities**, supporting millions of assets worldwide

Impact

- **Increased global sales by 10.7%**, surpassing industry growth rates
- **Improved productivity by 5%**, saving nearly 90 hours per worker annually
- **Enhanced tool tracking and management**, reducing downtime and inefficiencies
- **Boosted customer satisfaction**, with better tracking of maintenance and warranty claims