

DeviceSure

Revolutionizing Medical Device Testing with Artificial Intelligence (AI) and Automation from Chip to Cloud

The Healthcare industry is rapidly advancing from traditional care models toward personalized models leveraging software-driven, highly interconnected medical devices.

GlobalLogic specializes in designing, engineering, and implementing MedTech testing and quality assurance solutions leveraging AI-powered accelerators, cloud technology transformation, and advanced automation frameworks.

We deliver faster, more reliable software assurance for regulated MedTech devices, reducing time-to-market and operational costs while maintaining compliance.

45%

lower development costs

GlobalLogic helped a leading medical device manufacturer develop a next-generation insulin infusion device, achieving 45% lower development costs and a market-driven 11% increase in revenue.



Our comprehensive DeviceSure services include:

- Automated test system architecture
- Automated test system design
- Fully developed test strategies, plans, and scripts
- Execution (and documentation of the execution) of test scripts
- Test reports, including details of any anomalies found
- Traceability matrices
- Regression analysis reports documenting test coverage

GlobalLogic[®]

A Hitachi Group Company

GlobalLogic DeviceSure **addresses the complexity of modern medical devices**, which are increasingly software driven and interconnected within intelligent Healthcare ecosystems. By employing AI/ML-driven test automation frameworks, DeviceSure enables better, faster software assurance for regulated MedTech devices, sensors, and applications.

Our services streamline the development process, significantly reducing both time-to-market and operational costs. This is achieved through strategic deployment of embedded, mobile, web, and cloud-based testing methodologies that are meticulously aligned with global regulatory standards. Our holistic approach not only facilitates compliance but also fortifies device security and reliability, essential in safeguarding patient health.



By partnering with GlobalLogic, you engage with a leader in digital engineering whose deep domain expertise catalyzes the **development of next-generation MedTech solutions**. From initial concept through final validation, our DeviceSure offering ensures that all phases of device development are robust, compliant, and efficient.

Improved efficiency

Accelerate product releases with streamlined testing processes.

Reduced time-to-market and operational costs

Optimize device development and R&D expenditures with AI and advanced automation.

Enhance compliance

Maintain rigorous compliance with global regulatory standards, fortifying device security and reliability essential for safeguarding patient health.

Improve patient outcomes

Enable superior patient outcomes through enhanced device reliability and operational efficiency with AI/ML-powered testing and cloud technology.

Let's start engineering better medical device development.

Contact us to get started on transforming your **medical device development processes** today.

GlobalLogic, a Hitachi company, is a trusted digital engineering partner to the world's largest and most forward-thinking companies. Since 2000, we've been at the forefront of the digital revolution – helping create some of the most innovative and widely used digital products and experiences. Today we continue to collaborate with clients in transforming businesses and redefining industries through intelligent products, platforms, and services.

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