

Improve Operating Efficiencies with Hitachi Digital Services Optimized Factory Solutions Powered by Microsoft Azure

Hitachi Digital Services

Solution Brief

To compete globally, manufacturers must improve operational efficiency, on-time delivery rates, product quality, and manufacturing flexibility. Emerging challenges such as the demand for customized products, faster time-to-market for new products, and increasing reliance on a global supply chain call for data-based solutions.

Hitachi Digital Services Optimized Factory works toward enabling timely decision-making through communication and continuous monitoring of machines, people, materials, and manufacturing processes. The solution aggregates operational technology, information technology, and IoT data, and uses predictive analytics and machine-learning methods to provide actionable insights that can drive continuous improvement and leaner operations. With 108+ years of operations technologies, 60+ years of information technologies, and being one of the largest manufacturing organizations on the planet, Hitachi is uniquely positioned to help drive success with Optimized Factory transformations.

Optimized Factory on Microsoft Azure

Hitachi Optimized Factory integrates IoT data with Hitachi's best practices and the Hitachi Digital Manufacturing Suite to help deliver insights and manufacturing transformations. The Microsoft Azure platform provides the solution with global cloud coverage, one of the most complete IoT platforms on the market, and tools to help more rapidly deploy and obtain insights into data.

Hitachi combines Hitachi Optimized Factory with Microsoft's intelligence and analytics to work toward driving the transformations required for Industry 4.0 directives, helping reduce scrap and product returns, and improving worker health and safety. The solution works toward increasing labor productivity and equipment utilization through Hitachi's digital manufacturing experience, tools, and best practices.



How Hitachi Consulting Can Empower Your Digital Transformation

The Hitachi Optimized Factory on Microsoft Azure solution can power your digital transformation. Hitachi services include:

- **Regulatory Compliance** – The Hitachi Optimized Factory solution includes tools and processes to help better control discharge limits and other regulatory issues in a factory.
- **Energy & Sustainability** – A suite of services helps manufacturers understand energy usage, reduce energy consumption, and drive greater efficiencies in operations.
- **Predictive Maintenance** – Hitachi offers predictive maintenance options on factory systems integrating IoT data with historical data and machine learnings to help reduce downtime and breakdowns.
- **Process Intelligence** – Through the intelligence gained in smart manufacturing and predictive maintenance, the solution works toward driving alignment with key business metrics and reporting, offering greater insight into operations and performance. Hitachi offers both project based and application development solutions with global delivery teams, depth and breadth across not just Microsoft technologies, but most major open source solutions and development languages.

Transform Operations with the Hitachi Optimized Factory on Microsoft Azure Solution

Hitachi engineers manufacture and deploy digital solutions with a unique combination of OT, IT, and IoT experience that works toward enabling organizations to innovate faster and co-create new business models and revenue streams. We monitor, manage, and automate operations in near real-time to reach entirely new levels of operational efficiency.



For more information on Optimized Factory on Microsoft Azure, please contact insights@hitachids.com.

[Contact us](#)

About Hitachi Digital Services

Hitachi Digital Services, a wholly owned subsidiary of Hitachi, Ltd., is a global systems integrator powering mission-critical platforms with people and technology. We help enterprises build, integrate, and run physical and digital systems with tailored solutions in cloud, data, IoT, and ERP modernization, underpinned by advanced AI. By combining Information Technology and Operational Technology (ITxOT), we drive efficiency, innovation, and growth across industries. With over 110 years of Hitachi Group's engineering and technology leadership, Hitachi Digital Services is powering smarter platforms for a safer, more sustainable future.

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