



Improve Operating Efficiencies with Optimized Factory Solutions Powered by Microsoft Azure

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 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, 58 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 Consulting 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 Consulting 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 Consulting offers predictive maintenance options on factory systems integrating IoT data with historical data and machine learning 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.

Transform Operations with the Hitachi Optimized Factory on Microsoft Azure solution

Hitachi engineers, manufactures and deploys 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.

Why Hitachi?

Hitachi's 108 years of operational technologies, combined with Hitachi being one of the largest manufacturers on the planet, provide a foundation for the Hitachi Consulting projects. Hitachi Consulting is a Microsoft Gold Partner with expertise in both the Azure platform and Azure IoT services. Further, Gartner ranked Hitachi as a Leader in the 2018 Industrial IoT Magic Quadrant.

Hitachi Consulting offers unique pricing options including outcome-based pricing, value-based pricing, and co-creation options to work toward driving customer success. In addition, Hitachi Consulting can offer the complete suite of services and capabilities as-a-service.

For more information on Optimized Factory on Microsoft Azure, please contact info@hitachiconsulting.com

About Hitachi Consulting

Hitachi Consulting is the global solutions and professional services organization within Hitachi Ltd., a global innovation leader in industrial and information technology solutions and an early pioneer of the Internet of Things. Hitachi Consulting is a business integrator for the IoT era and a catalyst for digital transformation. Using our deep domain knowledge, we strategically collaborate with our clients to help them innovate faster, maximize operational efficiency and realize measurable, sustainable business and societal value. As a consulting-led solutions company, we can help you leverage data as a strategic asset to drive competitive differentiation, customer loyalty and growth. To learn more, visit www.hitachiconsulting.com.