

Evolving for the future of manufacturing with Edge as a Service

Enabling businesses to engage
everywhere and deliver anywhere.



Unlocking the power of new tech to drive increased efficiency and speed to value



As we move into a more intrinsically connected, always-on world, businesses strive to remain competitive and improve operational excellence and growth.

New use cases that demand enhanced capabilities and digital transformation to sustain growth are accelerating the pace of change, therefore requiring businesses to transform rapidly.

In response, manufacturers are delving ever deeper into advanced digital technologies to drive productivity, remotely monitor equipment, meet Net Zero targets and connect IoT devices.

But they must first overcome significant challenges at the network edge, including fragmented IoT data, security integration risks and an industry-wide inability to seamlessly operationalize the technology.

To do so, they require a partner that will deliver end-to-end and full-stack Edge as a Service solutions, from edge computing to process data on the edge, private 5G networks to enable secure and fast connectivity, and IoT applications and devices to bring priority use cases to fruition.

With our help, manufacturing businesses can digitize and modernize their infrastructure and facilities to improve factory operations and maintenance, worker communications, workforce safety and productivity.

How NTT's Edge as a Service capabilities deliver improved productivity



At NTT, we enable businesses to accelerate digital transformation and leverage new and emerging tech that delivers edge-to-cloud solutions - so enterprises can gain a complete understanding of operations and perform complex analyses.

Through the greater command and control of data, we enable manufacturers to leverage learnings from the enterprise edge - where users, devices and critical use cases come together. And we distribute those learnings and data-driven insights back through the business via cloud to help meet wider requirements.

Our Edge as a Service offering is delivered and supported by secure connectivity from edge-to-cloud, with a management layer for both - to allow greater visibility, cohesiveness and control. We enable full visibility into all connected devices and sensors through real-time analytics.

Because we own our global data centers and leverage our advanced **Smart World Platform** for use case data analytics, we can unify diverse data into a common structure quickly - while delivering AI analytics and machine learning capabilities to support real-time decision-making.

Our private 5G network solutions deliver fast and secure network connectivity with high-speed, ultra-low latency bandwidth to enable mission-critical use cases and data analytics; maintaining enterprise security on the edge. Together with edge computing, we deliver full automation, advanced network and performance analytics, as well as predictive AI to support scalable delivery.

We provide right-fit solutions and expertise from the start - delivered as a complete service from a single trusted partner, and designed to evolve in line with business needs. This means we meet even the most complex and extreme digitization requirements with low latency, while unifying data at every level of the business.

Our Edge as a Service offering can support manufacturing use cases including:

- Streamlined processes to decrease impact of worker shortages with remote AR/VR assistance
- Increased operational efficiency with machine vision and sensors to support productivity and performance metrics
- Environment and sustainability goals with sensors and monitors
- Automated and continuous production with advanced technology and infrastructure capabilities

Leverage the benefits of NTT Edge as a Service to accelerate digital transformation

We enable manufacturing organizations to digitize and modernize capabilities to unlock new and emerging use cases like: augmented reality-based worker communication, compliance monitoring of equipment, energy optimization and productivity improvement.

By providing complete visibility, command and control of all data, we enable intelligent, real-time decision-making, support greater flexibility and adaptability, and drive greater efficiency and speed to value. We do this in a way that produces measurable ROI and makes the organization more cohesive, connected and secure.



Delivering operational efficiency, ROI and speed to value gains while being more secure

We help increase operational speed and enhance efficiency through real-time decision-making, ensuring faster time to market and faster time to ROI. By linking priority use cases enabled by edge solutions to business metrics, we can deliver increased performance insights and customer value.

We protect business operations too through built-in security from the network layer up, ensuring reliable uptime and protecting business reputation.



Enabling real-time decisions through greater insights, and command and control

We deliver increased observability at a global scale across the entire business to enable greater insights, command and control of enterprise edge-to-cloud solutions, to help organizations mitigate risk and become more resilient.

Our advanced, predictive network analytics help businesses pre-empt change and get ahead of potential threats to become more proactive. And we minimize the complexity of managing diverse environments to help empower decision-makers and keep the business' focus on critical strategic ambitions.



Digitizing and modernizing business capabilities

We understand the extreme digitization requirements of today's manufacturing businesses and can enable accelerated, business-wide transformation in even the most complex environments. We ensure a right-sized fit and deliver a CIO-friendly managed service pricing model to reduce investment risk and deployment flexibility.

Our fully managed, full-stack service grows with business requirements, combining complete solutions for edge computing, private 5G and IoT applications and devices to make organizations inherently more digital by default. And we can support innovation through advanced predictive analytics and decision-making such as AI and ML.



Empowering businesses to deploy edge use cases and evolve to be more adaptable

Through increased cohesion and new tech, we can expand emerging use cases while supporting businesses to identify the most relevant initiatives to drive growth. We help our clients build from a single use case and bring global availability and scalability to deploy learnings across the entire organization at speed.

We deliver continual innovation in a rapid, iterative way across every area of operations to accelerate the creation of new service offers and business models. And we enable increased adaptability and flexibility by providing optimized, secure access to SaaS apps.

Why NTT is the best partner for manufacturing organizations

We bring a true as a service model to accelerate transformation and deliver more complete and cohesive operational efficiency and control for manufacturing organizations. We're different because:



Our unique offering is delivered under a single framework

Our single framework aligns with the way businesses operate, offering customized cost management responsiveness and true flexibility. We offer a single point of contact with complete support while our packaged, full-stack offering is completely unified.



We use a collaborative model with scalability built in for global enterprises

We have an unmatched depth and breadth of edge expertise and understand major global enterprise requirements, so we can support complex workload management. And we bring enhanced capabilities through our unique relationships with private 5G partners such as Celona, Cisco and hyperscale HCI from Microsoft Azure and VMWare's edge computing stack.



We bring unmatched global delivery capabilities with specialized local relationships

We provide the strength of a global presence with highly precise local delivery capabilities - while our experienced, dedicated on the ground experts can operate as part of local teams; supporting new projects, tech and innovation.

With over 5,000 full-time research professionals and more than 17,000 patents, we're also globally recognized for our innovation and thought leadership.



We're an award-winning partner with a world-class network and global data centers

We provide uniquely powerful, award-winning and globally recognized Tier 1 network capabilities for extreme low latency and seamless integration with our partners to deliver the best possible technology across applications, cloud, data centers, networking and security.

A proven track record of success

We work with global businesses across a range of sectors including manufacturing, logistics, transportation, retail and healthcare.



Award-winning Network Services

NTT DATA has been awarded a Leader position in Everest Group's 5G Engineering Services PEAK Matrix® 2023 Report

[Read more](#)

NTT has been recognized as a Leader in the 2023 Gartner® Magic Quadrant™ for Network Services, Global* for the tenth consecutive year, and is positioned highest on Ability to Execute and furthest in Completeness of Vision for the third consecutive year.

Case study: Schneider Electric

We partnered with Schneider Electric to deliver a secure, on-premises, end-to-end digital platform at the business' Lexington Smart Factory in order to:

- Leverage IoT connectivity, edge analytics and predictive analytics
- Drive energy efficiency and increased sustainability
- Overcome equipment availability challenges/machine performance issues
- Enhance overall product quality
- Integrate machine vision capabilities into automation systems
- Identify predictive maintenance causes in near real-time
- Rapidly accelerate Smart Factory digitization capabilities at every level

*Gartner, Magic Quadrant for Network Services, Global. Danellie Young, Karen Brown, Gaspar Valdivia, 22 February 2023

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Engage everywhere. Deliver anywhere.

Our complete Edge as a Service offering delivers end-to-end and full-stack edge-to-cloud solutions, including full integration and managed services for private 5G, IoT and edge computing.



We help manufacturing businesses like yours digitize and modernize to leverage emerging use cases such as AR/VR for remote assistance, predictive maintenance, sensor monitoring for environment and sustainability goals, and continuous production site process automation.

We deliver all of these under a single framework for increased flexibility and bring world-class network capabilities, global data centers and unmatched world-wide delivery capabilities to drive accelerated transformation.

So you can engage everywhere and deliver anywhere.

[Contact us now.](#)



