

Evolving for the future of logistics and transportation with Edge as a Service

Enabling businesses to engage
everywhere and deliver anywhere.



Leveraging new technology to deliver richer customer experiences



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

Logistics, retail and transportation organizations are becoming ever more reliant on data-led insights into customer and supply chain behavior patterns, as the need to improve experiences and better manage decision-making grows.

In response, logistics and transportation businesses are looking to dive deeper into digitization and modernization to improve areas such as in-store management, customer communications, workforce safety, process quality and shipment tracking.

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, retail and logistics organizations can unlock the value of edge computing. By capitalizing on increased visibility and command and control of data across the industry supply chain, these abilities can in turn drive improved customer experiences.

1. <https://omdia.tech.informa.com/OM026933/Market-Analysis-The-Impact-of-Edge-in-Manufacturing-Retail-and-Finance>

How NTT's Edge as a Service capabilities deliver improved operational efficiency



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

Through the **greater command and control of data**, we enable organizations 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 are 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 logistics and transportation use cases including:

- Improved employee experiences with AR-based training and real-time communications
- Enhanced worker safety and reduced loss of productivity with machine vision cameras and sensors to monitor security compliance
- Reduced order errors, improved turnaround and better overall process quality with real-time monitoring and applications management
- Accurate, real-time assets and shipments tracking in any environment with a network of secure IoT devices

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

We enable organizations to gain complete visibility and observability of all data and leverage new tech to meet the constantly evolving needs of their customers.

This includes helping them unlock new and emerging use cases like inventory tracking and management, retail fulfillment, customer and worker behavior heat maps and the ability to anticipate and pre-empt supply chain disruption.

We provide the robust network connectivity, cloud services and security needed to: improve store and warehouse management, advanced customer analytics to generate real-time insights into customer behaviors, enhanced connectivity to monitor IoT devices and mobile applications; along with real-time data tracking for surveillance, loss prevention and employee communications.



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 v 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 logistics and transportation 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 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 logistics and transportation organizations

We bring a true as a service model to accelerate transformation and deliver more complete and cohesive operational efficiency and control for 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 manage the entire tech stack as a part of a close, trusted and collaborative partnership model, enabling us to modernize operations quickly and without disruption.



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 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'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 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: TIP Trailer Services

We partnered with TIP to plan for an innovation-driven future with a cloud-first strategy by migrating their IT environment to Azure. This enabled TIP to grow their business by 40% as well as:

- Work and collaborate across the organization by moving to a cloud-only environment
- Introduce a global service desk for 3,000 employees across 18 countries
- Establish a secure environment that places security at the forefront of every solution
- Scale their environment to support innovation, including the expansion of telematics services
- Improve the performance of business-critical applications, with reduced downtime
- Drive sustainability by using a greener data center to reduce their carbon footprint



*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 organizations like yours grow and excel operationally, become more cohesive and securely connected across operations; while gaining complete control, command and visibility into data – everywhere.

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

So you can engage everywhere and deliver anywhere.

[Contact us now.](#)



