

Fast. Secure. In your control. Everywhere your production needs to deliver.

P5G as-a-Service. Turnkey private 5G network partnership for manufacturing organizations.





Manufacturing is an industry where the bringing together of many very different, highly complex production and operating environments is creating huge complexity that manufacturers' network infrastructure must support.

Whether it is the move to increasingly digital, industry 4.0 manufacturing; the advance of IIoT and Digital Twin technologies; the need for global mass customization; or simply the colossal increase in data flowing from today's digital production, supply chains and business information – everything is hitting the network and must be enabled to connect and deliver through it. But at the heart of every manufacturer is a common set of challenges: the need for robust and secure always-on production lines, greater business agility, and reliable management for increasingly large and complex global supply chains.

It's why manufacturing enterprises are turning to private 5G to deliver an integrated, complete, controllable, organization-wide approach to networking.

“ With private 5G delivered as-a-Service, manufacturers can evolve their network infrastructure quickly, simply, and securely — without losing existing investment in technology or assets — to deliver better communications and better business outcomes.

Stronger connectivity, for growth in a competitive environment

In today's turbulent, volatile and uncertain world, manufacturers are facing emergent challenges that they must address; the impact of COVID on their supply chains, workforce, and customer buying habits – and thus, revenue and performance. Manufacturers need to be able to adapt to this kind of holistic, fast-moving impact – meeting fast changing demand (up and down), getting visibility and control of complex supply chains with rapidly changing availability, with and through systems – and therefore, networks – that can flex as operating conditions change.



Many of these organizations already recognize that private 5G delivers all this resilience and flexibility, and that it has the capacity to deliver even more: supporting global, 24/7 production flows with continuously connected, zero latency networks. And Automotive CIOs and CTOs are examining how they can ensure these networks deliver the availability, compliance and security their business demands. And Manufacturing CIOs and CTOs are examining how they can ensure these networks deliver the availability, compliance and security their business demands.

With NTT's Private 5G as-a-Service, we make it easy to implement a new kind of network architecture, for these new kinds of business challenges. We help you to make the improvements you need, without significant cost, effort, or risk to existing operations.

Working with NTT, you'll get a complete private 5G partnership—a custom-built private 5G network designed specifically for your organization's use cases and challenges, and deployed, run, and optimized as a full Network-as-a-Service. We design for you the simplest architecture, avoiding many of the unnecessary functions built into carrier networks, delivering a lightweight solution with less technical overheads. The network is designed to learn and adapt over time to your changing needs.

And by taking responsibility for network implementation and rollout, management, and improvement (including managing security and compliance for you) we free you to concentrate on controlling and prioritizing your applications to deliver the most value to your organization.

Delivering a complete private 5G network partnership

When you choose Private 5G as-a-Service from NTT, you get a network that enables you to meet the on-the-ground challenges that manufacturing organizations face—fast, reliable, actionable solutions that are easy to deliver and manage. These solutions are comprehensive across key use cases such as Push To Talk Wireless Communications, Digital Frontline Worker Platform, Automated Guided Vehicles, Machine Vision, and Always Connected PC.

With these solutions, you get complete control and ownership of every aspect of development and delivery, creating a network where you set the priorities, to deliver operational performance without gaps, delays, or barriers. It will deliver relentless global scalability and flexibility, so you can connect the whole business, workforce, and devices, wherever they go, and as they grow.

Private 5G as-a-Service delivers business results.



Industry 4.0, IoT, and the trend towards automation/autonomous factories, all depend on fast, secure, low latency networks with continuous connectivity.



As supply chains grow ever more complex, with deeper levels of contractors and subcontractors distributed globally, every connection needs to be maintained and secured, to keep your data and IP safe.



To maintain robust operations—for example issue prevention and quick issue resolution—you need the ability to prioritize time-sensitive alarm information against bulk production data flows.

And much more...

You'll get the ability to function and operate with complete independence to pursue your objectives and differentiation at your own pace and more effectively, thanks to a purpose-built, lightweight, enterprise-class network. Embedded security and compliance make it easy for you to be sure your operations are secure and your risk is mitigated.

NTT: the perfect private 5G network partner for manufacturers

Together, we can transform your network, to drive business growth through global reach and scalability, improve business agility with flexible services you can spin up on demand, and deliver custom 5G solutions with extremely low latency and 24/7/365 availability.

We deliver a solution that is:



A full turnkey service.

We support you with a unique delivery and management model, delivered as a single point of control, which can be turned on and used whenever you want, with minimal risk. Our coverage-based pricing model is predictable and finance team-friendly.



Totally connected and integrated across the business.

P5G as-a-Service fits straight into enterprise environments, including legacy systems, with no need to rearchitect security policies, and no LAN overlays. The seamless transfer between private and public 5G networks keeps connections with no gaps and no effect on latency.



Uniquely global.

Your Private 5G as-a-Service network is ready to deploy or be supported anywhere you need it, with simple global device management, and full support from the 24/7 NTT Global Network Center.



Designed to be secure, robust, and business-ready.

Our network platform contains only the functionality that enterprises need, nothing more. It's secure by design, including network-level embedded security and compliance.



Incredibly future-proof, and backed by R&D.

Our network is designed for enterprise demands in coverage and reliability, and is easily upgraded for growth. We continually invest a large budget in R&D development, to keep the network and security ahead of the use cases and capabilities you need.

Working together to deliver better connected manufacturing outcomes

At NTT, we're committed to enabling a connected future. Through the work we do with our clients and in our communities, we understand and embrace the positive impact that technology can bring — technology for good.

Together, we can deliver network transformation to help you overcome the challenges you face. With our expert understanding of manufacturing, as well as digital transformation across the entire manufacturing value chain, we'll look at where you are on your digital transformation journey, and show you how Private 5G as-a-Service can improve efficiencies and help you innovate at every point of the manufacturing process.

We're rated by analysts. Gartner named us a Leader in the 2021 Magic Quadrant for Network Services, Global. We believe our unique and innovative vision strategy and product portfolio are the reasons behind our recognition in the report, as well as our agile, secure, and high-performing end-to-end solutions.

And we're valued by customers, too. We partnered with Cologne Bonn Airport to build one of the largest private 5G networks in Europe, significantly boosting the organization's digital transformation. Covering 1,000 hectares, the high speed, high reliability, low latency network enables business innovations such as intelligent baggage checking, security via automated guided vehicles, augmented and virtual reality, and has delivered significant improvements in operational efficiency.

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Together, we can similarly transform your business, bringing you all the benefits of Private 5G as-a-Service in a turnkey private 5G network partnership. So that your organization can meet (and exceed) the challenges you face, today and in the future.

