![NTT DATA]

Managed Campus Networks

Accelerate transformation through automation, AIOps and predictive analytics

> " By 2023, more than 60% of enterprises are expected to put networking at the core of their digital strategies, valuing it as a strategic enabler. This is appropriate, considering the critical role networks play in modern business; and that legacy networks are threatened to be swamped by a staggering growth in data (30%+ CAGR), numbers of connected devices (29 billion by 2023) and increasing cybersecurity threats*.

Modernizing your campus network is a critical step in digital transformation. It connects and enables the modern workplace, facilitates communication, collaboration and transactions between people, devices and, increasingly, things.

A network that is software-driven, highly automated - with operations that are enhanced by artificial intelligence - provides a foundation for the modern, agile business. The network is a critical control point in efforts to counter cybersecurity threats and an organization's security posture can be significantly improved with the right secure by design approach. In addition, the network should be considered a platform for innovation that underpins and rapidly accelerates the adoption of technologies like cloud, IoT and the move to intelligent environments such as smart buildings and smart manufacturing, which give you competitive advantage and a sustainably differentiated employee value proposition.

Organizations need to act to transform legacy campus networks and outdated operational models in order to have a network that is capable of delivering their digital futures and is worthy of being considered a vital element of their digital strategies.

As technology evolves and business demands escalate, network operations transformation will be the true differentiator to the ability of the network to deliver.

Campus network transformation should include the use of automation, Artificial Intelligence for IT Operations (AIOps)-enabled platforms and predictive analytics. Each of these elements deliver important enhancements to legacy operations models and contribute to exceptional digital experience for employees in the workplace and to stretched IT teams who should be focused on innovations that grow business opportunity.

*Invest in Networks to Achieve Digital Business Success, Dennis Smith, Dale Kutnick, Lisa Pierce, Gartner, 2019

Specialist skills and capabilities are needed for successful network operations transformation in addition to an ability to navigate the sheer number of tools, which results in significant additional complexity instead of the goal of simplification. A large number of enterprise campus environments will be managed by specialist managed service providers who offer a compelling alternative to organizations who rely on their networks. This provides immediate access to skills and a modern operations toolset that delivers higher levels of network availability, improved network health and deep insights into how the network is performing, which is the acid test for any network operations team.

What's new in Version:

In addition to supporting Cisco, Meraki, Juniper and HPE Arube network portfolios, we now have added Juniper Mist and Fortinet

Guest WiFi:
- New value-added feature offering a fully managed Guest Wi-Fi solution

Service Experience and Insights:
- New value-added feature offering continuous user experience monitoring
- Enhanced AIOps and Automation functionality

Challenges and solutions

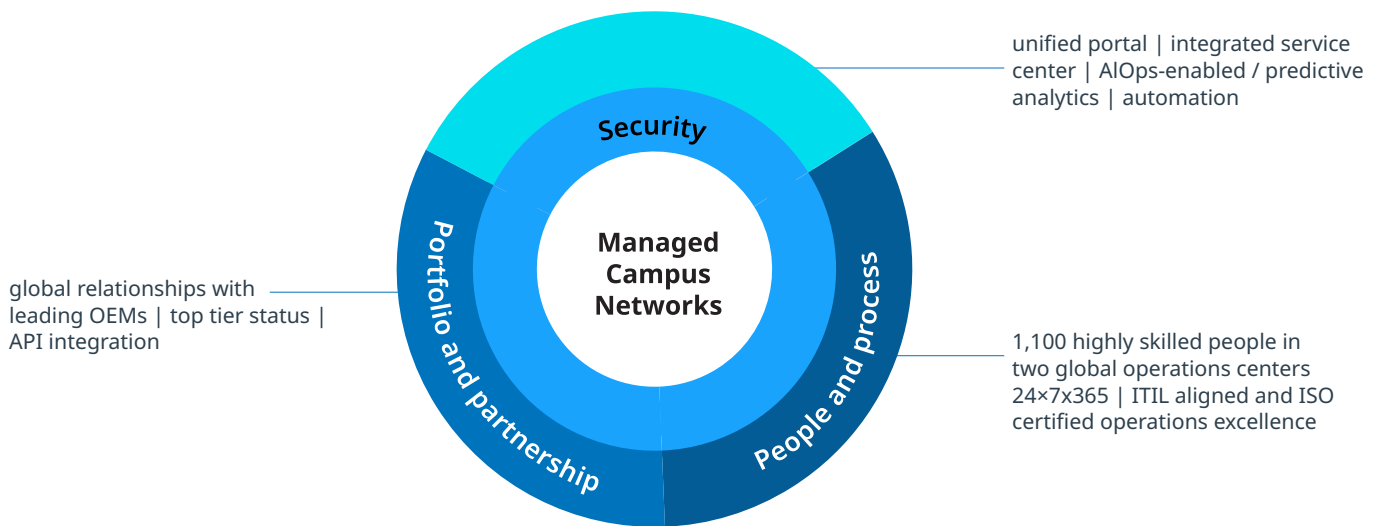| Challenge:	How our solution addresses it:
Legacy network infrastructure and limited visibility	Build a network foundation that leverages automation, AIOps, and predictive analytics that reduces events created by the network by 90% into actionable insights that can be more rapidly resolved. Leverage insights from data generated by the network to improve ongoing network operations, and the data created by devices connected to the network to improve decision-making.
Managing comprehensive network security	Secure by design is an approach that embeds the strategy of zero trust and reduces risk through adaptive controls that are integrated as part of the network function. Our network operations platform is secured by a defense in depth approach and ISO27001 certified for security governance.
Manage complex network	Managed services delivering industry best practices through a service capability that's aligned with and certified against industry leading standards for IT service management, security and quality. Streamline service delivery with our managed campus network service delivered standalone or as part of a portfolio of managed network, data center and cloud, collaboration and voice, and security to address your operational requirements.
Robust and reliable collaboration and connectivity	A full portfolio of network services and infrastructure assets designed to underpin workplace transformation with high-capacity and secure connectivity that empowers your employees to safely return to the workplace, and for you to build a connected and capable hybrid workforce.
Keeping pace with skills	Our services are delivered by one of the largest global teams of network experts in 50+ countries to provide a network that's architected and operated for performance and your unique user requirements and business objectives.

Today, the success of an organization is defined by the ability of infrastructure to help it respond to opportunity and the changing global environment.

Our portfolio of network managed services and solutions can be customized and optimized to meet the demands of your modern campus network. Aligned to your business and seamlessly integrated, our campus networks deliver in the most demanding environments. With our managed services platform, we provide you with access to automated operational efficiency, predictive analytics, highly skilled and certified global talent, strategic multivendor relationships and an impressive network and data center infrastructure with global reach.

We accelerate technology and operational transformation through automation and AIOps-enabled platforms to deliver the best digital experience for employees, customers and things connecting to your campus network.

Managed **campus networks**
delivered by a framework of platform, people and process

unified portal | integrated service center | AIOps-enabled / predictive analytics | automation

Security

Portfolio and partnership

People and process

Managed Campus Networks

global relationships with leading OEMs | top tier status | API integration

1,100 highly skilled people in two global operations centers 24×7x365 | ITIL aligned and ISO certified operations excellence

End-to-end managed networks for operational excellence and business agility

> **"**

90% of senior executives believe ICT innovations like AIOps, automation and predictive analytics will have a huge impact on network delivery and need to be invested in now for the network of 2025 and beyond.
NTT 2022–23 Global Network Report

Our network operations platform

Innovative operations platforms

Our service platforms include automation, AIOps and predictive analytics capabilities for efficient network operations services optimized to suit the most demanding requirements. In addition, our software-defined lifecycle services help manage software assets and entitlements for improved consumption and ROI.

Client service management

Omnichannel service desk, ITIL aligned processes and state of the art tools provide consistent self service insights into the status, health and performance of your environment. Enables our team to be an integrated element of your IT operations strategy.

End-to-end networking partner

We've delivered networking solutions and services to more than 10,000 clients globally and have more than 5,800 partner certifications in networking with leading network equipment manufacturers. Our excellent people provide you with access to a global pool of expertise that ensures your network is resilient, competitive, and relevant.

Enhanced cybersecurity

Our secure by design approach and heritage in cybersecurity solutions and services enables us to enhance security posture through controls and governance. Our platforms and service management are certified to ISO27001 for assurance around secure connectivity, identity management and access control.

Transformative employee experience

A network that delivers the best workplace experience for all work styles and personas by enabling mobility and flexibility, giving your employees the tools they need to become more productive, engaged and creative no matter where they work.

> **"** By 2024, 80% of enterprises that align network operations plans to **business-led objectives will grow faster than their competitors****

As one of the world's most trusted and reliable providers of networking connectivity, hybrid workplace, data center and cloud-powered solutions and services, we're the perfect partner for organizations looking to optimize and prioritize campus networks. Our portfolio of services span consulting, technical, support and managed services - covering multivendor network hardware, software and virtual networks - where every touchpoint is designed to help you optimize and prioritize your network at any stage of your journey.

We accelerate technology and operational transformation through automation and AIOps-enabled platforms that deliver best in class digital experiences to employees, customers and things connecting to your campus network. Our commitment to people, process and platform ensures that we always provide you with highly skilled specialists leveraging processes that are ITIL aligned for end-to-end support of a powerful and modern network platform that's capable of intelligent insights and capabilities.

We support you in optimizing IT operations to deliver the most effective campus network for your workforce and business.