

# Network of the future

## Your network isn't ready. The future's already here.

Legacy networks can't keep up.  
AI, edge and security demand a new network paradigm.

### Networking needs are changing

75%

of enterprise data will be edge-processed in 2025.<sup>1</sup>

Edge is rewriting the rules of network performance

90%

of organizations cite legacy infrastructure as a barrier for GenAI.<sup>4</sup>

Outdated networks can't fuel innovation

43%

of network traffic flows in 2025 are influenced by AI.<sup>2</sup>

Networks must flex in real time to keep up

67%

As per Gartner®, "67% of enterprise networking activities are performed manually."<sup>5</sup>

Automation is key to cutting inefficiencies and minimizing risk

50%

of early GenAI adopters will embed AI into 10-20 applications.<sup>3</sup>

GenAI integration is greatly affecting networking requirements

77%

of companies have faced AI-related breaches.<sup>6</sup>

AI demands zero trust; security can't be an afterthought

## It's time for the network of the future

AI-powered, autonomous networks are transforming connectivity — delivering agility, security and innovation through intelligent design and predictive capabilities.

### What is it?

The network of the future is a living, thinking system. Its intelligent design and dynamical management make it a strategic enabler that powers transformation.

1

**It spots trouble before it hits**

**Senses, analyzes and adapts in real time**

Hyperaware networks use telemetry and AIOps to detect anomalies and respond instantly, optimizing performance and security without human intervention.

2

**It anticipates demand and scales with precision**

**Prediction and foresight drive advantage**

Predictive analytics and machine learning forecast demand and enable seamless scaling across hybrid environments.

3

**It's built to think**

**AI, automation, digital twins and zero trust power the core**

AI and automation drive intelligent operations, digital twins simulate changes safely and zero trust ensures security at every layer.

4

**It's built in collaboration with experts**

**Because the right partner changes everything**

Managed services partners bring the expertise and tools to run intelligent, secure and scalable networks — while helping enterprises innovate and grow.

## How we help clients build the network of the future



**Modernize the foundation with cloud-native, AI-ready infrastructure**

Incrementally replace legacy systems with AI-driven, cloud-ready infrastructure for a future-proof architecture.



**Reimagine operations with intelligence at the core**

Consolidate operations with a smart platform using artificial intelligence and machine learning for automation, real-time insights, and zero-trust security.



**Manage and optimize for consistent performance**

Take full operational ownership with 24x7 monitoring and optimization for consistent performance and agility at scale.

## The business payoff

Intelligent, autonomous networks deliver real business impact.

50%

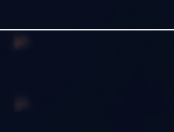
improvement in operational efficiency

96%

of issues resolved before they impact the network

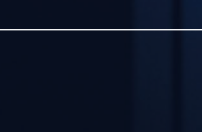
39%

reduction in P1 incidents



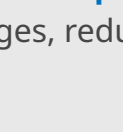
4-9

hours of lead time to predict outages



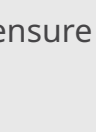
7x

reduction in number of tickets per device



**AI-powered operations**

Prevent outages, reduce downtime



**Embedded security**

Build trust, ensure compliance



**Real-time visibility**

Take faster decisions, deliver better service



**Experiential networking**

Enhance user experience



**Scalable Infrastructure**

Accelerate innovation



**Strategic control**

Reduce complexity, increase ROI

## Future-ready networks deliver measurable transformation

**BMW GROUP**

99% accuracy powers BMW Group's global network

BMW Group partnered with NTT DATA to modernize and automate operations across 40,000 network devices and 30,000 servers. With predictive insights and intelligent orchestration, they achieved 99% accuracy in diagnosing network errors — boosting efficiency, reducing downtime and freeing IT teams to focus on innovation.

**Pick n Pay**

1% revenue boost through resilient network modernization

Pick n Pay, a leading retailer in South Africa, modernized its network with software-defined wide area network (SD-WAN) and AIOps platform to overcome rolling blackouts. With uninterrupted connectivity and real-time visibility, the retailer added 1% to their turnover in just six months — boosting efficiency and enabling innovation across stores and digital channels.

## Empower your enterprise with intelligent networking

It's easy to get started: schedule a complimentary network assessment with NTT DATA today!

### Sources

1. NTT DATA Technology Foresight 2025. <https://services.global.ntt/en/insights/ntt-data-technology-foresight-2025>

2. Omdia, AI Network Traffic Report Forecast: 2022-31 - Analysis Update, Report, 20 Mar 2025, Author - Brian Washburn, Chief Analyst, Telco B2B Solutions, [https://omdia.tech/info/omdia/2025/ai-network-traffic-report-forecast-2022-31-analysis-update?vid=Tech&processId=784ba917-408e-45cd-b8ce-ac9b7d5547ae&Explore.co:innovation:opportunities\(e.g.,ThousandEyesIntegration\)](https://omdia.tech/info/omdia/2025/ai-network-traffic-report-forecast-2022-31-analysis-update?vid=Tech&processId=784ba917-408e-45cd-b8ce-ac9b7d5547ae&Explore.co:innovation:opportunities(e.g.,ThousandEyesIntegration))

3. NTT DATA, Wired for intelligence: A CIO's guide to enterprise networking for AI, <https://services.global.ntt/en/in/campaigns/cio-guide-to-enterprise-networking-and-ai>

4. NTT DATA, Global GenAI Report

5. Gartner: Market Guide for Network Automation Platforms, -

Ted Corbett, Chris Sanderson, Andrew Lerner, 7 April 2025. (Accessible to Gartner clients only)

GARTNER® is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All rights reserved.

6. NTT DATA, Global GenAI Report