



Building a Future-Ready, Intelligent, Secure and Scalable Network for a Global Technology Leader

Client Snapshot

Company

Global Technology Company —
(India)

Company Size

250,000+ employees

Industry

Information
Technology &
Global Services

Location

Operations across
60+ countries

Company's large-scale campuses required a high-performance, secure, and centrally managed network backbone

Company's large-scale campuses across India required a modern, high performance network to support its global delivery model. However, legacy infrastructure across locations led to inconsistencies in performance, scalability and Manageability

With teams collaborating across India and GDC's, company needed a unified, enterprise-grade network platform. Instead, operations were impacted by fragmented architecture and limited Visibility across wired and wireless environments

The existing Environment lacked Centralized Control and real-time insights, making it difficult to ensure consistent user experience and enforce policies.

Key challenges



Fragmented legacy Cisco-based infrastructure across locations



Limited visibility into users and devices



Increasing security risks with hybrid workforce



Operational complexity managing wired and wireless separately



Inconsistent user experience



Need of a unified, intelligent network platform

The client required more than a network refresh, they needed a strategic partner

capable of designing and delivering unified, scalable and future ready network architecture

Towards a unified, intelligent Network ecosystem

Ninth Dimension Along with HPE-Aruba assisted the Customer to re-engineer the network infrastructure across all layers – Switching, Wireless Control, Unified Platform leveraging HPE Aruba's Modern architecture. With Deployment of Aruba CX Switching, Wi-Fi 7 and Centralized Cloud Management, a unified and scalable platform was established across all locations

By Integrating seamlessly with existing Cisco ISE for Policy enforcement, and enabling AI-Driven Operations through Aruba Central and UXI Sensors, the Organization transitioned from From fragmented systems to a connected intelligent network environment with full visibility and control

The transformation introduced a single, cohesive platform for network management, monitoring and user experience assurance - empowering IT teams to operate with greater efficiency, speed and precision across all campuses

The implementation journey

Phase 1

Foundation — Network Core & Access

Deployed Aruba CX Switching Infrastructure across core, distribution and access layers

Established a high-performance, resilient campus network fabric

Standardized Network architecture across all 8 Locations

Enabled High-Speed Connectivity for enterprise workloads.

Tech:

Aruba CX Switches(Core, Distribution, Access)



Phase 2

Wireless Modernization (Wi-Fi 7)

Rolled out Wi-Fi 7 access points across campuses

Enabled high-density, high-Performance wireless connectivity

Delivered ultra low latency and multi-gigabit speeds ensuring seamless user experience across locations

Tech:

Aruba Wi-Fi 7 Access Points



Phase 3

Security Integration & Access Control

Integrated Aruba Network with Cisco ISE for Authentication and Policy enforcement

Implemented role-based access control for users and devices

Enabled secure onboarding for employees, contractors and guests

Tech:

Aruba Network + Cisco ISE Integration



Phase 4

Unified Management & Experience Optimization

Implemented Aruba Central for Centralized, Cloud based Network Management

Enabled AI-driven Monitoring and Proactive issue resolution

Deployed UXI Sensors for real-time user experience insights

Achieved end-to-end Visibility across network and applications

Tech:

Aruba Central, UXI Sensors



Results

- 1 Standardized network architecture across 8 Locations
- 2 Significant improvement in Network Visibility and Monitoring through Aruba Central
- 3 Operational effort for Network Management reduced through Automation and AI insights
- 4 Seamless integration with Cisco ISE for secure access and Policy enforcement
- 5 Unified platform for wired and wireless Network Management
- 6 Improved Network Performance with reduced latency and higher throughput
- 7 Reduced Network Incidents and faster issue resolution using UXI insights
- 8 Future-ready infrastructure with Wi-Fi 7 enabling next generation applications



Ninth Dimension And HPE Delivered Future Ready Network Infrastructure

The transition to a unified Aruba-Based Network platform has significantly improved our visibility, performance and user experience across Locations. The integration with our existing security framework ensured a seamless transformation with minimal disruption

— IT Department Head, Global Tech Leader, India

A Future-Ready Network Foundation

The Organization now operates on a Unified, Intelligent network platform, with switching, wireless, security and Management consolidated into a single cohesive architecture

With AI-driven operations, real-time visibility and a scalable design in place, the enterprise is well-positioned to support future growth, digital innovation and next generation workloads – without increasing operational complexity.

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Transform Your IT
Infrastructure?

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