

# JATCO

Gears up an exceptional office experience with AI-Native Networking

See how to make every connection count with AI-Native Networking

[Watch video →](#)

## Industry

Manufacturing

## Region

APAC

## JATCO transforms the office wireless network to satisfy all stakeholders

JATCO, a leader in the automotive transmission industry, [relies on Juniper AI-Native Networking](#) to deliver excellent wireless network performance and stability to its executives, employees, and IT managers while addressing the cost and operational challenges of upgrading its wireless LAN.

With Juniper, JATCO cut wireless LAN deployment costs in half and accelerated the refresh of its office Wi-Fi globally.

## Overview

### Challenge

JATCO relies on wireless LANs in its offices and factories to support the development, manufacturing, and sale of transmissions. As demand for Wi-Fi connectivity from employees and devices increased, the implementation cost and operational burdens of expanding the wireless network had become significant.

“Stability and performance were deteriorating, and we were receiving more complaints and inquiries,” said Tomohiro Kobayashi, Head of the JATCO Digital Solutions Department.

A modern wireless network solution would improve performance and provide more business value to user departments. JATCO wanted to leverage AI to automate network tasks, reduce implementation costs, and improve the user experience.

### Transformation

JATCO considered potential wireless network solutions from three perspectives: Business managers wanted to achieve a high return on investment by reducing network implementation and operations work. Employees needed high performance so they could work productively. IT staff wanted a network that was stable and easy to operate.

“JATCO determined that Juniper Mist was the wireless network solution that would bring about such a virtuous cycle and we decided to implement it after a thorough proof-of-concept test,” said Kobayashi.

"Juniper Mist is **simple to install, easy to operate, and operates stably**. It's a Wi-Fi solution that is satisfactory to everyone, including managers, employees, and IT personnel." **It has a variety of operational support functions**, and I would like to use it for a long time."

Tomohiro Kobayashi  
Chief, Digital Solutions  
Division, JATCO Ltd.

## Outcomes

Operationally efficient

**50%**

Lower cost to install Juniper wireless access points than previous methods

Time to value

**5x**

Faster to deploy Juniper wireless access points

Scalability

**100%**

Of wireless LAN expansion requests from the field met



## Solution and implementation

[Juniper AP43 Wireless Access Point](#)

[Juniper AP63 Wireless Access Point](#)

[Juniper Mist Wireless \(Wi-Fi\) Assurance](#)

[Juniper Marvis VNA](#)

"With Juniper, we **can meet additional requests without increasing the operational burden** on the IT department or compromising productivity."

Tomohiro Kobayashi  
Chief, Digital Solutions  
Division, JATCO Ltd.

## Juniper's AI-Native Network makes every connection count

The Juniper AI-Native Networking Platform delivers advanced AI for IT operations (AIOps) to enable exceptional digital experiences for JATCO's stakeholders. With more than nine years of AI and ML delivered from a microservices cloud, the Juniper AI-Native Networking Platform makes every connection more reliable, measurable, and secure for every device, user, and application.

JATCO uses Juniper AP43 Wireless Access Points and Juniper AP63 Wireless Access Points to deliver high-performance Wi-Fi 6 in its offices and in outdoor areas.

The Juniper Mist Wireless (Wi-Fi) Assurance service automates operations to make the Wi-Fi predictable, reliable, and measurable and provides unique visibility into user service levels.

Juniper's Marvis Virtual Network Assistant (VNA) uses Mist AI to streamline operations for the IT department and optimize the user experience. Marvis relies on a conversational interface and GenAI for intuitive actions, and provides prescriptive actions, automated operations, and integrated helpdesk functions.

## Key takeaways and outcomes



Watch how the Juniper AI-Native Networking Platform makes every connection count.

## Mist AI improves the user experience and reduces IT workload

JATCO continues to roll out Juniper AI-Native Networking to its offices globally and has future plans to deploy Juniper wireless in its factories.

### The network moves at the speed of business

"It is a great achievement for the IT department to fully respond to Wi-Fi needs that we were previously unable to meet due to budget and equipment constraints," said Kobayashi. "We have changed our work style to meet the business need."

### Reduce total network costs by 50% per access point

"When calculating the total cost of updating aging access points, including in-house construction, we reduced the cost per unit by 50%," said Kobayashi.

As a result, the IT department can deploy five times more access points a year, refreshing its office networks faster to meet users' needs.

### Streamline network operations

"I like Juniper Mist because it is simple and is easy to understand and intuitive to use," said Kobayashi. There's no wireless LAN controller to update, and new features are delivered from the Juniper Mist Cloud without downtime.

## More information

## Learn more about Juniper AI-Native Networking

To learn more about The Juniper AI-Native Networking Platform, visit our website at <https://www.juniper.net/us/en/ai-native-networking-platform.html>.

To learn more about wireless access, visit our website at <https://www.juniper.net/us/en/solutions/wireless-access.html>.

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