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Agilitus

AI-native network foundation for business growth

Mist makes every connection count

Explore the platform →

AI-native network amplifies multidiscipline engineering business

Agilitus, a multidiscipline engineering, design, and project management business serving Australia's resources, energy, and industrial sectors, delivers innovative solutions for complex infrastructure projects. It chose Mist™, Juniper's AI-native networking platform, to deliver digital experiences to employees and streamline IT operations as it expands into new geographies and widens its service offerings.

Challenge

As part of a business restructure and rebrand, Agilitus needed to refresh its IT infrastructure. It wanted to upgrade the network at its Perth headquarters and standardize the network across its Western Australian offices while considering its East Coast expansion.

"We wanted to set a future-proof network standard for our offices as our business continues to successfully grow, so our systems expand with us seamlessly," said Matt Adams, Head of ICT at Agilitus.

The wired network was the immediate priority. "We had to manage each switch individually," said Adams. "Making changes in six locations required planning time to reduce possible human error and inconsistency." The wireless LAN refresh was planned for the following year.

A cloud-native network with centralized management and end-to-end visibility to simplify IT operations was also a priority. Agilitus wanted a solution that would provide investment protection and offer secure Wi-Fi to clients working from its offices.

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Transformation

Cloud-native was on the requirements list, but AI-native was not—until Adams saw the Mist platform and the Marvis® AI engine in action. After running a Mist proof-of-concept (POC), Agilitus decided to upgrade its wired networks and fast-track the wireless LAN refresh.

"During our evaluation, we asked one of our clients to demonstrate their Mist environment," said Adams. "While he was showing us Mist, Marvis® AI Assistant showed him an issue with one of their DHCP servers. We were blown away by how quickly he could triage and find the root cause of the issue."

Mist leverages more than a decade of high-quality data and AI learning to assure that every connection is reliable, measurable, and secure for every device, user, application, and asset at every location. For Agilitus, the result is transformational scale and agility, simplified network operations, and exceptional user experiences.

Outcomes

Seamless connectivity	Self-healing network	Accelerated troubleshooting
500	**Fewer**	**30%**
Users across six locations rely on the Mist network	Network-related trouble tickets since deploying Mist	Faster to detect DHCP issue

Solution and implementation

Juniper Access Points	Juniper EX4100 Switch	Juniper EX4400 Switch
Juniper Access Assurance	Marvis AI Assistant	Juniper Wi-Fi Assurance
Juniper Wired Assurance		

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Mist, the industry's first AI-native networking platform

Mist empowers the Agilitus IT team to deliver exceptional user experiences while simplifying network management across multiple sites. IT has greater network visibility and the AI-native tools to identify and resolve issues quickly and efficiently.

"Our first Mist deployment was faultless," said Adams. Its Perth headquarters was upgraded over the weekend, followed by other sites in Western Australia and then across the country.

A lack of onsite IT staff at its New South Wales office did not slow the roll. "We did the upgrade remotely," said Adams. "A local employee unboxed and plugged in the switch. An MSP did the rack and stack, and the switch automatically pulled down the configuration."

Key takeaways and outcomes

"Our first Mist deployment was **faultless**."

Matt Adams
Head of ICT, Agilitus

Exceptional user experiences in a building visible from space

Mist delivers network performance, empowering employees to focus on innovative technical solutions for minerals processing, green energy, ports, water and wastewater, and other critical infrastructure projects. The IT team is freed up to focus on strategic work.

"By standardizing on Mist, we can scale our network with ease—whether it's to support our growth or a new project office," said Adams. "We simply adjust the model in the Mist portal and rapidly deploy a new network anywhere we need."

Superior user experiences from calls to CAD

"We've seen dramatic improvement in Wi-Fi performance," said Adams. He notes that the network has plenty of capacity to handle 3D modelling and other bandwidth-intensive engineering, design, and construction applications.

Zero Trust network access for guest and BYOD devices

Juniper Access Assurance has transformed the guest, BYOD, and IoT device access experience. Zero Trust network access policies are enforced based on user and device identities while cloud-hosted authentication simplifies IT operations.

"Access Assurance has been seamless for employees' personal devices and our clients who need to access Wi-Fi from our locations," said Adams. "We have better visibility into who has guest access, and the guest Wi-Fi password is no longer posted all over the offices."

Marvis AI empowers network operators

"The simplicity of the Mist solution is key," said Adams. "Our support team can now handle the initial troubleshooting from the Mist portal."

"Before, everything was console-driven, so they had to escalate issues straight to the network engineer with no ability to triage. With Marvis AI Assistant, the support team has tools to identify common issues, which lightens the load on our network engineer. It's been fabulous."

Adams noted that Marvis AI Assistant has identified issues with faulty cables and flaky docking stations—problems that had previously gone unreported to IT.

> "By standardizing our network with Mist, we can now **scale with ease**—whether it's a future merger or a new project office."

Matt Adams
Head of ICT, Agilitus

More information

The Mist platform: purpose-built with AI and for AI

To learn more about the Mist platform, visit our website at
https://www.juniper.net/us/en/campus-and-branch.html

To explore how Juniper AIOps can optimize your IT, visit
https://www.juniper.net/us/en/solutions/artificial-intelligence-for-it-operations-aiops.html

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