

SCHOOLS CASE STUDY

www.akomplishedwifi.com.au

OBJECTIVES

A prestigious school was set to roll out a new digital platform that required a robust, high-performing Wi-Fi network for students and staff using iPads for assignments, tasks, and study. During the initial testing phase, the school's existing Wi-Fi network was found to be inadequate for the new platform's demands. IT support identified that the current Access Point locations were outdated and poorly positioned. The school engaged Akomplished Wi-Fi Solutions to redesign the Access Point layout using the latest models, ensuring seamless connectivity across the campus.

APPROACH

Understanding Customer Requirements: We began with detailed discussions with the school's IT team to fully understand their needs, the Access Point model they preferred, and the specific outcomes they expected from the project.

Site Visit: With the school's floorplans in hand, we conducted an on-site visit to verify their accuracy and inspect all areas. We noted classroom layouts, wall thickness, and potential obstructions, making necessary adjustments to one building's floorplan to ensure it reflected the real-world environment.

Coverage Check: Using the Ekahau survey tool, Sidekick II, and an iPad, we performed a comprehensive coverage check. This included an interference and Rogue Access Point assessment across the 2.4, 5, and 6 GHz bands to identify any existing issues that could impact the new system.

Analysing the Data: We conducted an in-depth analysis of the Ekahau survey results to inform our Access Point design. The analysis revealed some interference from equipment in one of the buildings, leading us to provide additional recommendations for the configuration of the new system.

Design Process: Using Ekahau AI Pro, we integrated key data, such as adjusted scale, obstructions, and wall attenuation. Leveraging our experience in educational Wi-Fi networks, we simulated Access Point placements to create an optimal layout for full coverage across the school.



AT A GLANCE

CHALLENGES

- Outdated Access Points
- Inadequate Wi-Fi Coverage
- Potential Interference Issues

BENEFITS

- Tailored Network Design
- Enhanced User Experience
- Cost-Effective Solution



NICKY MONK

Wireless Specialist
Akomplished Wi-Fi Solutions

"For over 5 years, our company has been improving the brand and company images to give a proper experience to our customers."

Comprehensive Report: We provided a detailed report that included recommended Access Point locations, simulated heatmaps, and additional recommendations to ensure the best possible network performance.

SOLUTION

The school implemented the Access Point design outlined in our report, using the latest models available. The Access Points were configured by the school's IT staff, with support from Akomplished Wi-Fi Solutions. Following the installation, we conducted a confirmation coverage check to verify the effectiveness of the new network.

OUTCOME

The confirmation coverage check showed complete 5GHz and 6GHz coverage throughout the school. As the iPad rollout progressed, it became clear that the new platform was supported by a strong and reliable Wi-Fi connection. Both staff and students reported high satisfaction with the network's performance, ensuring a smooth and uninterrupted learning experience.

RESULTS



100%

Coverage



0

Wireless
Complaints



1000+

Users

BENEFITS

1. Cost Effective

Conducting a thorough site survey ensures a tailored solution that works right from the start, avoiding unnecessary expenses on excess equipment and reducing the need for additional troubleshooting services. By engaging a specialised wireless expert, the school saves money in the long run, avoiding the pitfalls of poor design and over-purchasing.

2. Enhanced End User Experience

A reliable wireless network from the outset leads to fewer complaints, less demand on IT support, and a smoother rollout of new systems, ensuring a positive experience for all users.

3. Optimum Configuration

The coverage check identifies any necessary configuration adjustments, ensuring the new system operates at peak performance from day one.

4. Increased Productivity

A dependable wireless solution allows the new platform to function as intended, boosting productivity for both students and staff.