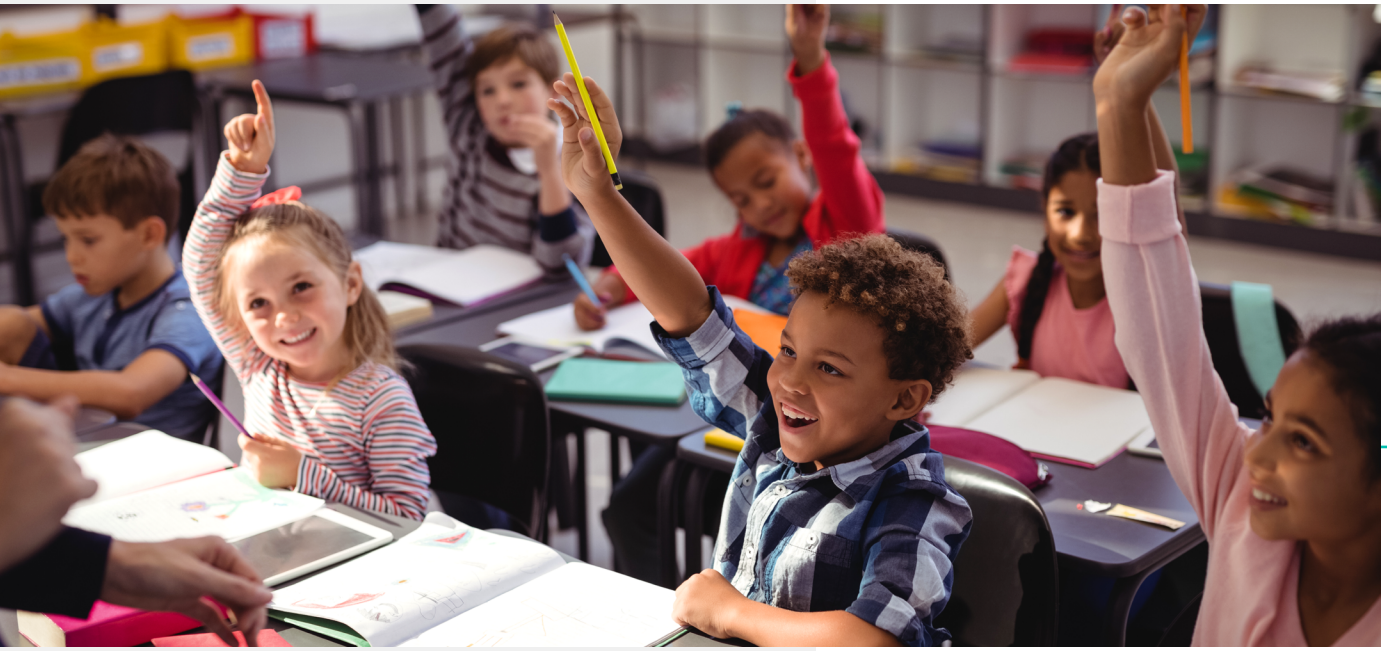
CASE STUDY

EMPOWERING ADACHI GAKUEN WITH RELAY2'S HIGH-CAPACITY WI-FI SOLUTION

Adachi Gakuen is a renowned junior high school and high school for boys, established in 1929 in Tokyo, Japan. With a strong founding spirit and a focus on independent learning and personal growth, the school aims to nurture gentlemen who aspire to create a bright future and contribute to the world.

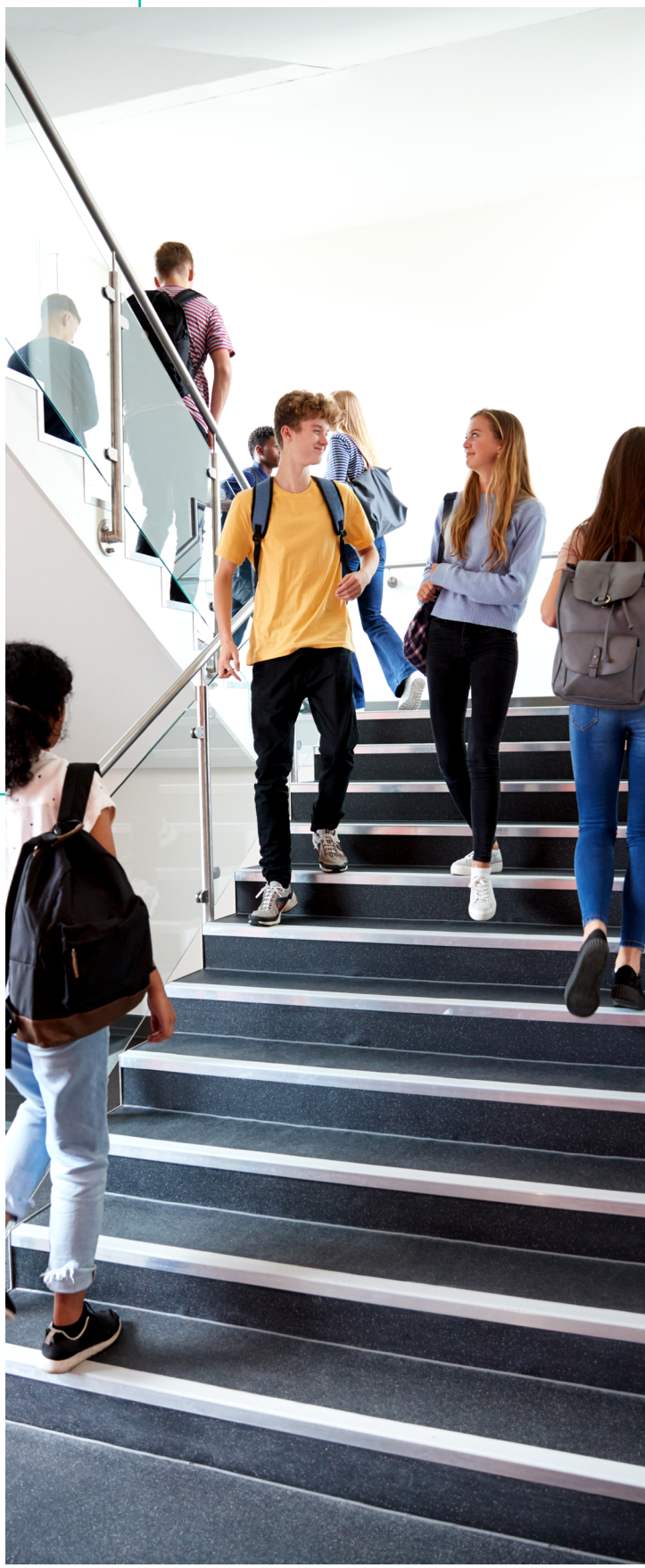
Adachi Gakuen boasts a comprehensive educational program with various clubs, events, and a robust ICT environment. To enhance their technology infrastructure, the school partnered with Relay2, a leading provider of wireless networking solutions.



Challenges

Adachi Gakuen had been using its existing Wi-Fi environment for five years, but the increasing demand for network capacity from teachers and students necessitated an upgrade. The school faced the following challenges:

1. **Insufficient Network Capacity**
   The existing Wi-Fi infrastructure could no longer meet the growing demands of students and teachers.
2. **Lack of Unified Services**
   The previous access points did not offer a unified service and operation management system, making network management complex.
3. **Inefficient Network Monitoring**
   Troubleshooting network issues required on-site analysis, causing delays and inconveniences.
4. **Limited Backhaul Network Capacity**
   With the rising use of IT, strengthening the backhaul network infrastructure became challenging.

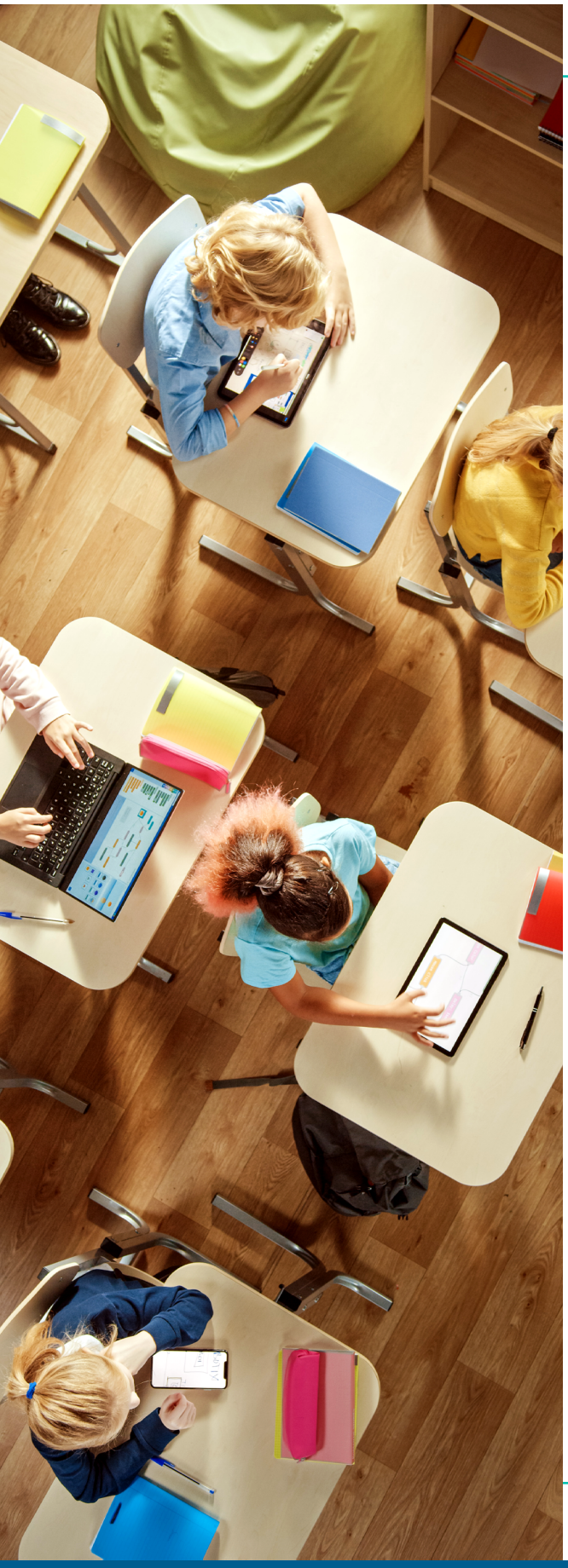


Solution

To address these challenges, Adachi Gakuen deployed Relay2's high-capacity access points and leveraged its cloud-based Wi-Fi architecture. The solution included the following components:

- **Relay2 AP 200 Series**
  High-capacity Service Points with built-in storage capabilities.
- **Cloud-Based Wi-Fi Architecture with the ServiceEdge Platform**
  A cloud management system that allows centralized control and monitoring of the Wi-Fi network.

Benefits



1. SWIFT INSTALLATION

Relay2 Wi-Fi Service Points connected to the cloud via Ethernet and self-configured within minutes. The entire installation process was completed over a single weekend, eliminating the need for long vacations or extended downtime.

2. UNIFIED SERVICES AND MANAGEMENT

The implementation of Relay2's solution provided a significant improvement over the previous access points. The unified services simplified network management and administration.

3. STREAMLINED NETWORK MONITORING

With Relay2's cloud Wi-Fi, the school could perform immediate remote analysis through the Relay2 cloud dashboard. This capability enabled quick issue identification and resolution, significantly reducing downtime.

4. AUTOMATED SOFTWARE UPDATES

Relay2's cloud-based solution facilitated hassle-free software updates. The school could schedule updates according to its planned maintenance windows, ensuring the network remained up to date.

5. EDGE-COMPUTING CAPABILITIES

Adachi Gakuen chose Relay2 due to its utilization of Relay2 edge computing (ECH). This feature allowed the school to offload backhaul network traffic by hosting data and videos on the access point storage. This solution was particularly useful during school information sessions, enabling simultaneous content distribution without straining the backhaul network.

Results and Future Outlook

By implementing Relay2's high-capacity Service Points and cloud-managed ServiceEdge Platform, Adachi Gakuen achieved a stress-free Wi-Fi environment. The benefits and outcomes of the deployment included the following:

1. ENHANCED NETWORK CAPACITY AND COVERAGE

The Relay2 Wi-Fi access points significantly improved network capacity, ensuring seamless connectivity across the campus. The coverage area expanded, reaching previously challenging locations.

2. IMPROVED OPERATIONAL EFFICIENCY

The unified services and centralized management simplified network operations, leading to more efficient administration and troubleshooting.

3. QUICK ISSUE RESOLUTION

The cloud-based monitoring and remote analysis capabilities enabled swift issue identification and resolution, minimizing network downtime.

4. EDGE-COMPUTING UTILIZATION

Adachi Gakuen successfully utilized Relay2's edge computing capabilities, offloading backhaul network traffic during information sessions. This enabled smooth content distribution to visitors without straining the network.

5. FUTURE SCALABILITY

Adachi Gakuen looks forward to further leveraging Relay2's technology, particularly in expanding its edge-computing capabilities, as it continues to adapt to the evolving digital educational landscape.

Relay2's collaboration with Adachi Gakuen enabled the school to overcome its Wi-Fi challenges and create a robust and efficient ICT environment. The deployment of high-capacity access points, coupled with cloud-based management, delivered significant benefits in terms of network capacity, monitoring, and operational efficiency.

ADACHI GAKUEN

Adachi Gakuen continues to explore innovative solutions, such as Relay2's edge computing, to further enhance its technology infrastructure and support its students' educational journey in the digital age.

Relay2 is enabling our partners to revolutionize K–12 education with the ServiceEdge Platform, engineered to streamline online educational services from the school classroom to the student's home.

Leveraging our breakthrough Service Points technology, we provide uninterrupted service connectivity for online education applications and walled-garden content, offering scalability tailored to educational institutions' needs. With reduced time for our partners' solution development, Relay2 is accelerating efforts to bridge the digital divide and shape the future of global K–12 education.