

# Making campus connections effortless and instant

Upgrading the network at Highlands College

## The Challenge

The heart of Jersey's education and career progression, Highlands College found itself operating on ageing infrastructure, fast approaching end-of-life. If left unsupported, the legacy network would pose a risk to the College's everyday operations. Additionally, Highlands had recently invested in new Wi-Fi 6 access points, but the ageing hardware could not provide the power or bandwidth the access points needed, leaving their investment underutilised.

Recurring network loops, sometimes caused by student activity, resulted in significant network disruptions. With limited visibility and management tools, the College's IT team struggled to optimise performance and resolve issues quickly.

These factors created an opportunity for Highlands College to seek a modern, reliable and secure network solution.

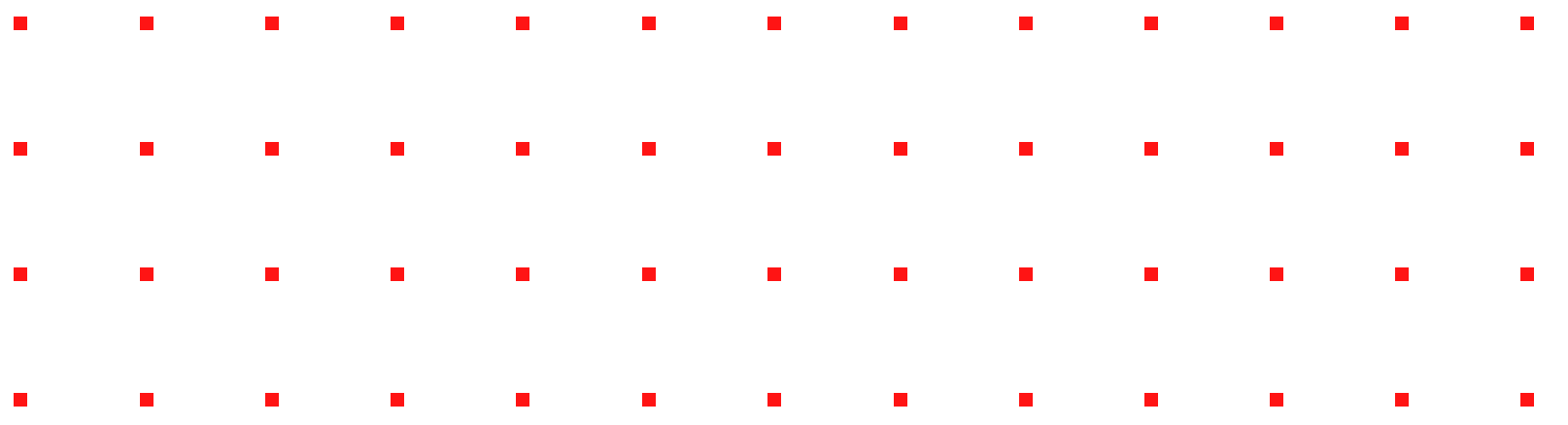
## The Solution

Logicalis partnered with Highlands College to completely transform their network. Built on Extreme Fabric technology, the solution included:

- ▶ **Extreme Fabric switches** for high-speed, resilient connectivity.
- ▶ **Extreme IQ Site Engine** for unified management and monitoring.
- ▶ **Hybrid management** combining on-premises control with cloud-based capabilities through Extreme Cloud IQ.
- ▶ **Extreme Analytics** for deep network and application visibility.

The new network is much more intelligent; instead of having everything tied to physical cables and switches, it virtualises the College's network. Virtualisation empowers the IT team to add new areas, isolate issues, or redesign parts of the network without physically rewiring anything. The switches are also more powerful and support advanced Power over Ethernet (PoE), enabling them to fully leverage the College's Wi-Fi 6 access points.





The solution was architected to provide several key benefits for the College's IT team:

- ▶ **Superior visibility and management**  
Application-level monitoring and AI-driven insights not available elsewhere.
- ▶ **Simplicity of deployment**  
Faster, easier rollout with reduced engineering effort and risk
- ▶ **Cost effectiveness**  
Delivered all required network features and more, below budget
- ▶ **Sustainability potential**  
Energy-efficient features for long-term savings, and contribute to ESG goals
- ▶ **Outstanding vendor support**  
Strong pre-sales and technical assistance ensured a smooth transition

With these solutions, the IT team has a much clearer picture of what's happening across the network, allowing them to pinpoint problems instantly, rather than guess where they might be. Fewer surprises mean a more proactive way of working.

## The Result

The collaboration with Logicalis has delivered immediate and lasting benefits for the College, contributing to its ability to meet and exceed modern standards, offering:



- ▶ **Seamless transition**  
Minimal disruption during deployment; IT team trained for ongoing success
- ▶ **Improved user experience**  
Reliable, high-performance connectivity for students and staff
- ▶ **Operational efficiency**  
Enhanced visibility and management tools reduced troubleshooting time and effort
- ▶ **Security and resilience**  
Stronger defences against both accidental and intentional disruptions

By improving efficiency, generating cost savings, and supporting the internal IT team, Logicalis helps Highlands College to deepen its community impact, raise educational outcomes, and maintain its focus on its true priority: the students.



*Modernising our network was critical to ensuring a reliable digital experience for both students and staff. Working with Logicalis, we've transformed an ageing and increasingly fragile infrastructure into a resilient, intelligent network that gives our IT team real visibility and control. The new solution has significantly reduced disruption, improved performance across campus, and allows us to adapt and scale without complexity. Most importantly, it enables us to focus on what matters most — supporting learning and student success.*

**Terry Walters**  
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