Enhancing Connectivity and Care
Network Infrastructure Upgrade at Haven of Hope Care Centre

OneAsia partnered with Juniper Networks to deliver a complete overhaul of the network infrastructure at Haven of Hope Sister Annie Skau Holistic Care Centre. Funded entirely through a generous donation by the Legan Foundation—the charitable arm of The Legan Group—this initiative reflects our shared commitment to empowering healthcare and social service organizations through innovative technology.

OneAsia, along with The Legan Group, has always been committed to supporting healthcare and social service organizations through technology innovation. Our expertise lies not just in deploying technology, but in understanding how connectivity can fundamentally enhance human experiences - whether it's optimizing business operations or supporting specialized care environments.

Through our collaboration with Juniper Networks, we aimed to modernize the network infrastructure for **Haven of Hope Sister Annie Skau Holistic Care Centre**. This specialized care facility in Tseung Kwan O serves frail elderly, chronically ill patients, and those with terminal illnesses, providing integrated medical, nursing, rehabilitation and pastoral care services.

This comprehensive upgrade replaces the facility's aging network infrastructure with state-of-the-art Juniper Wi-Fi solutions and completely revamped structured cabling across both care centre buildings.

Project Scope

- Complete structured cabling replacement across 2 x care centre buildings in TKO

- Full Wi-Fi system upgrade to Juniper Networks Wi-Fi 6 solutions

- Comprehensive access point deployment for 98% coverage elimination of dead zones

- Cloud-based network management platform for centralized monitoring and control

- 24/7 technical support and maintenance services

Project Attributes:

- **Eliminated connectivity dead spots** that previously prevented doctors from being reached in critical areas of the older building

- **Enhanced outdoor connectivity** on rooftops and garden areas, encouraging patients to spend time in natural light and fresh air

- **Enabled seamless streaming and online entertainment** - the primary source of entertainment for in-patients during their stay

- **Future-proofed infrastructure** supporting emerging healthcare technologies and telemedicine applications

Societal Impact

Enhanced Patient Care

The upgraded network infrastructure has revolutionized the patient experience at Haven of Hope Sister Annie Skau Holistic Care Centre. The Centre provides holistic care for frail elders, chronically ill and patients with late-stage cancer, and reliable connectivity has become essential for their wellbeing. Patients can now enjoy uninterrupted streaming and online entertainment throughout the facility - often their only source of entertainment during extended stays. The improved Wi-Fi coverage extends to outdoor areas, encouraging patients to spend time on rooftops and in garden spaces, promoting access to natural light and fresh air as part of their holistic care approach.

Improved Clinical Operations

The elimination of connectivity dead spots has resolved critical communication challenges that previously prevented medical staff from being reached in certain areas of the older building. This ensures continuous availability of medical professionals, enhancing patient safety and care quality.

Cost-Effective Solution

As a non-profit, self-financing nursing home, Haven of Hope operates without government funding and relies on efficient resource management. The subscription-based service model eliminates large upfront capital investments while providing enterprise-grade network infrastructure. This approach allows the Centre to allocate more resources directly to patient care while maintaining cutting-edge technology capabilities.

Enhanced Security & Reliability

The Juniper Networks solution provides enterprise-grade security features protecting sensitive patient data and ensuring compliance with healthcare regulations. Advanced encryption and access controls safeguard patient privacy while enabling seamless connectivity for authorized users. The robust infrastructure ensures high availability, critical for healthcare environments where connectivity disruptions can impact patient care.

Sustainability & Future-Readiness

The comprehensive infrastructure upgrade positions the Centre for future technological advancements in healthcare. The network supports emerging applications including telemedicine, IoT medical devices, and advanced patient monitoring systems. This forward-thinking approach ensures the Centre can continue providing innovative care solutions while maintaining operational efficiency.

Client Testimonial

"Prior to the infrastructure works, the professional team from OneAsia has visited our Centre more than once to ensure that they have sufficient understanding on both our building environment and operation needs. During the cabling replacement works, the team demonstrated high calibre and efficiency with minimal impact to our 24/7 centre operation. All our occupants including staff, residents and visitors are enjoying the revamped network infrastructure with a user-friendly management platform."

Technical Specifications

Network Architecture:

- Juniper Wi-Fi 6 access points with advanced beamforming
- Comprehensive structured cabling (Cat 6A) across both buildings
- Cloud-based network management and monitoring
- Enterprise-grade security with WPA3 encryption

Management & Support:

- Centralized cloud-based management platform
- Real-time monitoring and automated alerts
- 24/7 technical support and maintenance
- Regular performance optimization and updates

Coverage & Performance

- Over 98% facility coverage including outdoor areas
- High-density support for multiple concurrent users
- Seamless roaming between access points
- Quality of Service (QoS) prioritization for critical applications