



**Intelligent Networking
and Connectivity**



Our solutions and services

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Intelligent Networking and Connectivity overview

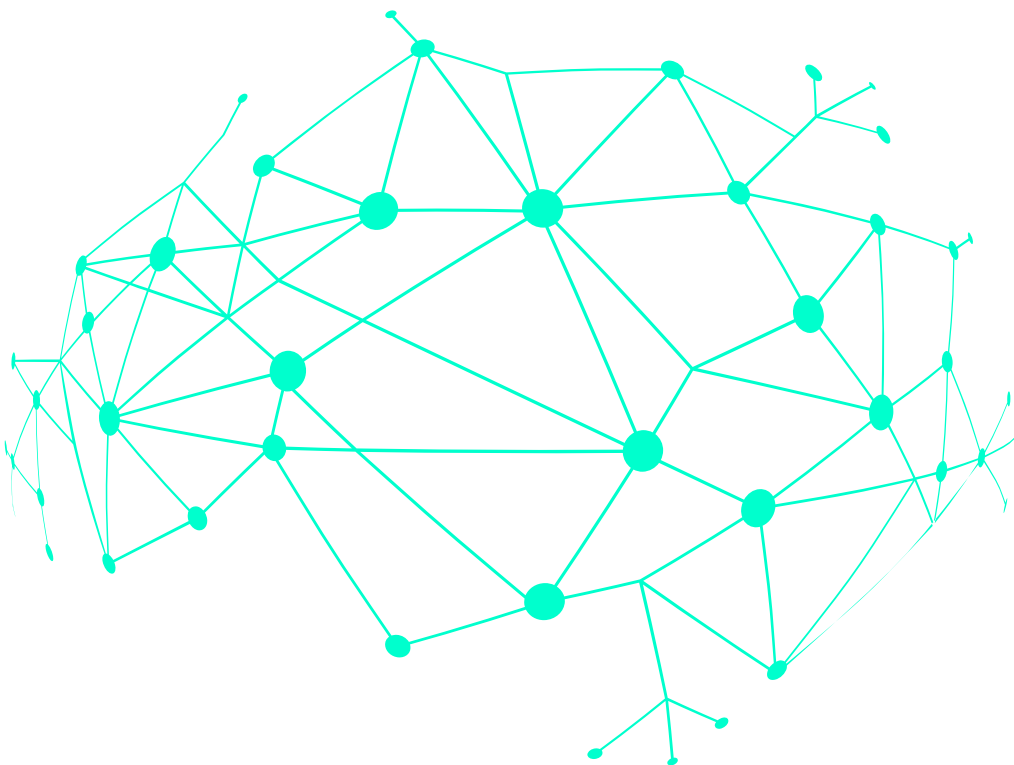
In the fast-moving world of modern networking, our Intelligent Networking practice team can provide your business with innovative solutions.

We use a customer-outcomes-focused approach to provide insights and build efficient, secure networks with reliable connectivity.

The Networking team provides the infrastructure layer that enables all your connectivity, voice, and data communications between users, devices and applications.

With real-time analysis, seamless execution, and a focus on service experience, our solutions accelerate deployment, enhance reliability, and fortify security.

With our team's help, your business will enjoy efficient, agile, and proactive network management.



Our Networking and Connectivity

partners

Logicalis is partnered with leading vendors and OEMs to deliver a full range of connectivity and networking technologies to our clients.

Our longstanding partner relationships ensure that we can deliver next generation connectivity to sustain, secure and scale your business.



SD-WAN

Solution overview

Software Defined Wide Area Network (SD-WAN) is our managed offering that helps you simplify your IT infrastructure and enjoy secure connectivity from anywhere.

SD-WAN is made up of several components that work together to provide efficient and flexible network connectivity. These components include:

- The **data plane** assumes the responsibility of forwarding network traffic and establishing tunnels between various locations.
- The **control plane** oversees the overall behaviour of the network, encompassing routing and security policies.
- The **management plane** manages network configuration and administration by gathering information about the network while also generating alerts for potential events.
- The **SD-WAN edge** serves as a bridge connecting an enterprise's internal network with external networks. It acts as a portal for incoming traffic.
- The **controller** coordinates and manages all these components to ensure their seamless integration into one cohesive system.



SD-WAN

Efficiently manage and optimise wide area networks

Irrespective of whether you have a minimal number of sites or a global network spanning thousands of locations, our SD-WAN solution offers centralised visibility into the health of your WAN.

It also provides you with the ability to centrally manage and deploy policies to control application usage and provide traffic steering between your networked sites.

Prioritise critical business traffic

SD-WAN empowers you to direct and prioritise traffic across your network.

It enables your network to instantly prioritise critical applications, intelligently adapting to changing performance conditions.

A scalable model with ease of deployment

When it comes to setting up new sites, SD-WAN eliminates the need for expensive and time-consuming onsite resources.

By seamlessly integrating multiple uplinks, it enhances resilience, guaranteeing strong connectivity across diverse network scenarios.

Enhanced application performance and user experience

With real-time monitoring and analytics capabilities, SD-WAN ensures predictable application performance while significantly improving the overall user experience.

Support the hybrid workplace

Streamline onboarding for new services

Enable a multi-cloud strategy

Reduce connectivity costs

“ ”

Our Intelligent Networking practice leads the way in integrating cutting-edge technologies, proactive problem-solving, and streamlined operations.

This empowers customers to navigate their digital journey with confidence, future-proofing their infrastructure to seamlessly accommodate IoT, workplace transformations, and other evolving customer services.

As a result, our solutions not only enhance efficiency, security, and resilience but also position our clients at the forefront of innovation.

Caroline Beswick

Intelligent Networking and
Connectivity Practice Manager
Logicalis South Africa



SD-Campus

Solution overview

The Logicalis **SD-Campus** solution, a component of the Intelligent Connectivity suite, offers an intuitive agile efficient approach to managing small to large-scale campus networks across your wired and wireless campus network applications

This comprehensive solution guarantees secure access for all users, devices, and locations across your applications and digital environment. Creating a resilient network that provides enhanced security measures to safeguard your organisation's people, data and resources.

Centralised control system: SD-Campus simplifies networking with a central control system. It manages network elements, reducing complexity and errors. Key features are centralised management, configuration automation, and advanced analytics.

Policy enforcement: Authenticates and authorises endpoints based on security policies. It grants network access according to roles or functions, configuring network devices as endpoints connect.

Network Fabric: The network fabric uses virtual overlays for mobility, segmentation, and programmability. It also provides intelligent services for application recognition, traffic analytics, prioritisation, and performance.



SD-Campus

Advanced analytics powered by AI and machine learning

By leveraging advanced analytical algorithms, SD-Campus can predict network behaviour, detect security threats, and optimise performance proactively.

By analysing traffic, the SD-Campus either self corrects or alerts network administrators to address issues swiftly, reducing downtime and improving overall network reliability.

Continuously monitoring endpoint behaviour

SD-Campus scrutinises how devices interact with the network, scans for vulnerabilities, and verifies their trustworthiness before granting access privileges. This proactive approach enhances overall security by quickly identifying potential threats.

Instantaneous Containment

In the event of a threat or breach attempt, SD-Campus swiftly contains the issue to minimise its impact on the network infrastructure and prevent data breaches

Centralised control and automation

Segmentation and threat detection

Optimised traffic

Cost efficiency

Resource optimisation



SASE

Solution overview

Secure Access Service Edge (SASE) combines networking and network security into a single service.

Our managed solution enables organisations to establish secure connectivity for their hybrid workforce, effectively safeguarding corporate resources against cyberattacks and data breaches.

- **Firewall at the edge:** A cloud-native security service helps you to improve security, and ensure consistent enforcement everywhere.
- **Secure web gateways (SWGs):** Secure web gateways analyse security risks while protecting data, apps, and users in the cloud.
- **Cloud access security broker (CASB):** The CASB helps secure your cloud users and sensitive data with ease, preventing cloud data loss.
- **Zero trust network access (ZTNA):** Security framework focusing on securing individual access requests and transactions based on the principle of least privilege.



SASE

Streamline and secure connectivity in the cloud

Secure access service edge (SASE) combines networking and security functions in the cloud to deliver secure access to applications, anywhere users work.

It also provides you with the ability to control application usage both within and outside your networked sites. It provides security without borders.

Minimise risk

SASE offers comprehensive cybersecurity solutions to safeguard your organisation, streamline access for hybrid workers, and minimise IT security complications, regardless of employee login locations.

Simplify user experience

Empower both managed and unmanaged users and devices to securely and effortlessly connect to the internet and critical applications, ensuring a seamless and safe experience.

Streamline IT operations

Optimise your environment effortlessly by utilising a single, cloud-managed platform combining your Network and Network security into a single infrastructure.

Secure Connectivity at scale

Multi-Cloud Connectivity

Unified networking and security

Network Security

Solution overview

Logicalis **Network Security** builds security into every layer of your hybrid IT architecture with a unified approach incorporating **next-generation firewalls (NGFW)** and **operational technology (OT)**. By embedding threat prevention, detection, and response throughout your network, we help protect critical assets and ensure continuous compliance across all environments.

Next-generation firewalls (NGFW)

A comprehensive approach integrates **next-generation firewalls(NGFW)**, **SD-WAN**, **LAN/WLAN**, and **AI-powered threat intelligence**, ensuring unified security and a better user experience across all network edges.

Centralized management and converged technologies reduce complexity while enhancing visibility, control, and compliance.

The result is a scalable platform that safeguards networks, endpoints, and applications with consistent policies.

Key benefits

- Increased security
- Faster intuitive response to zero-day threats
- Reduced downtime
- Lower total cost of ownership
- Streamlined operations through security-driven networking

By converging networking and security, organizations can minimize risk, simplify administration, and deliver more resilient, high-performing services

Network Security

Operational Technology Security (OT Security)

As previously isolated IP networks converge with the Operational Technology and external applications, the growing risk increases daily to industrial systems.

Logicalis offers services to map an organisation's security readiness to the pillars of international Cybersecurity Regulatory Frameworks. These frameworks provide a structured approach to identify these risks and gaps and protect critical resources.

A comprehensive operational security platform ensures continuous defence through specialized hardware rated for harsh environments, advanced threat intelligence, and consolidated tools for network and security operations. This approach helps safeguard legacy and modernized OT assets from emerging threats and minimizes disruption to OT networks in for example the energy, manufacturing, transportation sectors, remote locations, and vessels.

By combining **real-time monitoring**, **zero trust principles**, and **unified governance**, organisations can effectively manage risk, reduce the attack surface, and maintain compliance. The result is a fully integrated, end-to-end strategy that supports agile, secure, and reliable industrial operations.



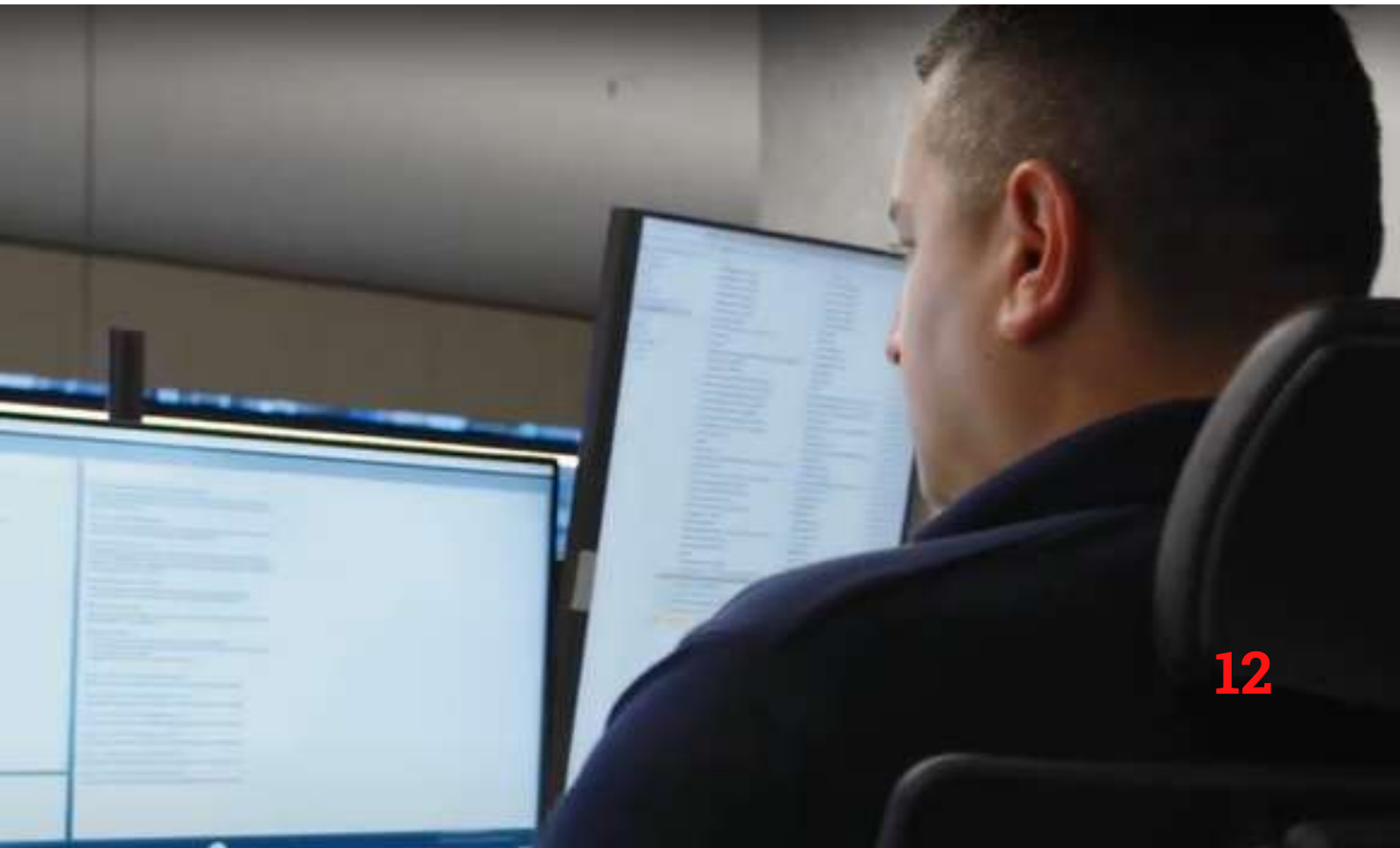
Network Security

Security Operations Centre (SOC as a service)

Logicalis offers a world-class **Security Operations Centre (SOC)** service to some of the largest organisations globally.

With L1, L2 and L3 SOC analysts, we give your organisation access to the best cybersecurity defences and skills in the market.

For more information about our data security and managed security services, please visit our [Intelligent Security homepage](#)



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