



# FIVE THINGS YOUR SECURE SMART ROUTER NEEDS TO KEEP SITES CONNECTED AND OPERATIONAL

Organisations that deliver business-, mission-, and life-critical services, or otherwise operate across regional and remote environments in a myriad of challenging weather conditions, need resilient solutions that keep them connected and available 24/7. Especially for organisations that operate in environments where access to real-time data delivery is critical or across multi-site operations in remote locations, there's a growing expectation to be supported by communications links that offer high reliability and availability at all times.

In the changing work environment, the emphasis has been on the importance of investing in new technologies that support workers as they work from anywhere, including in high density and remote areas. This includes empowering your onsite technicians and mobile workers to connect and communicate across multi sites, or remotely in the field, with the support of ruggedised, mobile, Internet-of-Things (IoT) tools and technologies. And, with the growing reliance of organisations on seamless access to cloud applications and data, or delivering centrally managed automated services, the expectation is for unfailing reliability. This is especially true for any organisation where users need to access applications and data from any location or device, wherever applications and data are hosted.

Investing in digital solutions goes beyond just having the right technology in place to empower your workers. It also means ensuring your organisation can stay connected and operational, especially when you deliver essential services that power communities.

Increasingly, organisations face challenges in keeping their sites always connected, especially in more remote and potentially harsh environments. This is especially true for organisations that work across the construction and renewables industries.



## SOME OF THE BIGGEST CHALLENGES INCLUDE:

**Increasing network traffic demands:** connected organisations across all industries are experiencing increased demand for big data, cloud, mobility, and bring your own devices (BYOD) as well as the Internet of Things (IoT) and anything as a service (XaaS) traffic. This is putting increased demand and pressure on customer networks, which may not have been initially designed to manage such heavy traffic.

**Ageing, unsupported infrastructure:** legacy infrastructure that lacks agility, flexibility, and scalability no longer provides a reliable foundation for modern organisations. Organisations that rely on unsupported hardware that requires time consuming, manual management risk restricting today's performance, leading to unexpected costs to fix or update technologies.

**Security:** cybersecurity is an ever-increasing concern, with growing numbers of devices, applications, and technologies connected to the network. This can be

especially troubling when potential cyberbreaches risk impacting entire communities, -with essential services and critical infrastructure possibly being taken offline or client privacy compromised.

Ultimately, each of these challenges results in diminished network performance, which restricts productivity of both workers and operational sites. Businesses in construction and renewables need cost-effective, reliable, and durable solutions that ensure uninterrupted connectivity and continuous access to real-time data across their sites and infrastructure.

For organisations that deliver essential services to communities, it's crucial to make changes now to deliver more efficient networks.

## SMART SOLUTIONS FOR RELIABLE, SECURE CONNECTIVITY IN REMOTE LOCATIONS

For many organisations, solving this challenge means looking for smart solutions that deliver secure, reliable connectivity for operations across a variety of locations, including regional and remote areas. Managing and operating wide area network (WAN) connectivity is becoming more of a challenge for organisations and their IT departments, especially when it comes to delivering consistent quality experience without compromising security.

One of the most important investments for today's businesses is a secure smart router that underpins your smart business and its operations. A secure, smart router solution will help protect your WAN and empower your organisation to provide reliable, secure connectivity in remote locations while simultaneously improving operations, and enhancing the security and safety of data and workers.

For example, companies that support the remote operation and maintenance (O&M) of wind turbines need communications solutions that deliver an unflinchingly reliable connection, even in extreme weather conditions, to ensure continuous access to data regarding energy output and operational performance is delivered without downtime. Having access to data to drive more effective and accurate decision-making on an operational level is essential to organisations in construction and renewables, as it means potentially costly faults can be identified and rectified quickly.



# FIVE THINGS TO LOOK FOR IN A PROVIDER TO ENSURE YOUR SMART ROUTER MEETS YOUR NEEDS



1

## NETWORK SECURITY WITHOUT COMPROMISE

In an increasingly digital world, companies can't afford to skimp on security. Smart router solutions should have security built into their foundations to ensure you're protected from beginning to end. Look for a provider that delivers integrated security with next-generation firewall protection, coupled with Distributed Denial-of-Service (DDoS) detection and prevention, and best-of-breed secure access service edge (SASE) integration.

2

## CONSISTENT QUALITY OF SERVICE (QOS) AND SECURITY POLICIES:

Consistency is key, especially when it comes to your security. It's important to be able to provide consistent QoS and security policies across your different locations to protect your operations from all angles, so it's essential that your secure smart router provider can deliver this need. It's important to consider a smart router solution that delivers built in QoS, for example, by prioritising voice over internet protocol (VoIP) or real-time data traffic needs across any connection, including broadband, satellite, cable, and wireless.

3

## IMPROVED END USER EXPERIENCE AND APPLICATION PERFORMANCE

Usability is essential for mobile and remote workers. Look for a provider that can improve on your end user experience and deliver consistent experiences across different locations, no matter where your workers are. As part of this, it's also essential to look for a provider that doesn't compromise on the quality of performance for applications.

4

#### GREATER SIMPLICITY, AGILITY, AND FLEXIBILITY

Today's businesses need agility and scalability that will let them flex to meet changing market demands and organisational needs. If your provider can't deliver on this, your business will risk falling behind its competitors. It's essential to look for a secure smart router provider with solutions that will empower your business to grow and scale its network as needed.

5

#### LOWER OVERALL WAN COSTS

Price is important, especially when it comes to digital transformation. While it's important to look for a provider that best meets your needs, it's also important to look for one that meets your budget, and that will empower you to lower your overall WAN costs.

## LEADING SMART ROUTER SOLUTION: ARUBA EDGECONNECT SD-WAN SOLUTION

With more than 20 years of experience, Aruba is an industry-leader in wired, wireless, and security networking solutions. Driven by its vision to think differently, Aruba delivers innovative technology that helps create connections to power businesses and the world.

Aruba EdgeConnect SD-WAN is a secure smart router solution that lets companies centrally manage and deliver the highest-quality user and customer application experiences with the highest levels of security. Aruba EdgeConnect SD-WAN solution simplifies provisioning and ongoing operations for businesses and leverages a unified software-defined WAN (SD-WAN) fabric across locations of all sizes. This lets Aruba deliver significant operational benefits to IT as well as improved business productivity and agility, reduced business risk, and lower overall WAN costs.





## WHY VERTEL

Vertel is a global award-winning network solutions provider with almost 50 years of demonstrated experience in delivering reliable, end-to-end solutions and supporting critical communications and businesses in regional, remote, and metropolitan areas Australia-wide.

Our history is rooted in supporting radio towers and telecommunications through our managed radio services, and we've evolved to deliver solutions from beginning to end, including managed network services, to keep businesses connected.

We deliver flexible, personalised solutions that are customised to your business's unique needs to keep you connected for business-, mission-, and life-critical operations. Our agile approach lets Vertel react quicker to customer needs and with the capability to meet your exact requirements.

With 24/7 access to our service desk, Vertel delivers strong, reliable support for metropolitan, regional, and remote locations. We are committed to delivering 1-1 service that ensures you are a priority to our business, and not just a number.

**FOR MORE INFORMATION ON HOW VERTEL AND THE ARUBA EDGECONNECT SD-WAN SOLUTION CAN KEEP YOUR ORGANISATION CONNECTED AND SUPPORTED AS YOU DELIVER BUSINESS-, MISSION-, AND LIFE-CRITICAL OPERATIONS, CONTACT THE TEAM TODAY.**