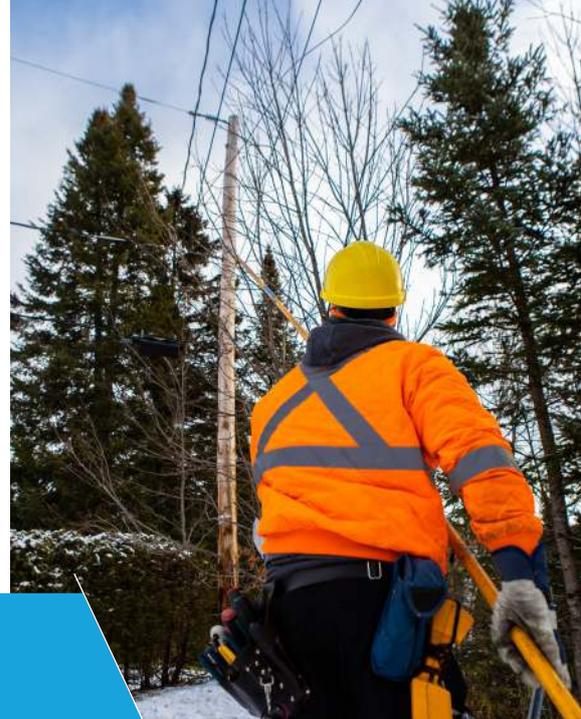Case Study

ΛSΛVIE

Zero Trust Security for Utility Services Company's Employees & Vehicles

A major utilities services company, with thousands of employees and vehicles globally, requires a secure and seamless way for ground crews to access schedules and submit job reports. It is also requiring secure access to vehicles for monitoring of health and safety. As the vehicles contain sensitive private information, they have adopted a zero trust security posture. To drive business efficiencies, the utilities services company runs its business applications across multiple clouds.

CHALLENGES

In support of the ground crew, the utilities services company's fleet of vehicles are fitted with cellular enabled Wi-Fi gateways. The gateway is used to monitor vehicle telemetry and employee health and safety.

As the Wi-Fi is openly available in the vehicle, the enterprise required a way in which to centrally manage authenticated users and devices. With the gateway having access to the internet, the IT organization wished to eliminate the risk of cyber threats, data misuse and overages. Thus, ensuring that their business applications in the cloud remain private and safe.

> *Our business is our people and vehicles, we chose Asavie SD Edge and the Zero Trust Network Access, as it provides the right balance of security, visibility and internet policy controls. From a centralized portal, we can easily self-serve and manage our devices with controlled access to our cloud applications.*
>
> *Director of ICT, Utilities Services Company*

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The utilities services company specializes in construction and maintenance operations for utility providers across the globe. The performance driven organization is trusted to deliver safe, reliable services at a cost-effective price. Innovation and modern work practices are at the heart of the enterprise, ensuring the highest standard in the quality of work without compromising on customer expectations or employee health and safety.

SOLUTION DEPLOYED

The utilities services company chose Asavie SD Edge® for its secure and private connectivity, whereby the cellular gateways are authenticated into an isolated private network eliminating the risks to cyberthreats. Asavie SD Edge visibility and real-time security policy controls allowed the Director of ICT to restrict and block access to non-business internet content during working hours. Furthermore, Asavie SD Edge ensures 'No Bypass' of security as all SIM enabled devices are locked to private network, even in the event of a SIM being moved from one device to another.

Using Asavie SD Edge mobile private static IP addresses, the utilities services company could secure access to business applications in the cloud based on the user and device identity via a Zero Trust Network Access (ZTNA) provider. The result is reduced effort and complexity of securing, managing and maintaining security of cloud access on a global basis.

RESULTS

By leveraging Asavie SD Edge, the utilities services company gained:

- **Self-serve and Control over Distributed Connectivity**
  A global cellular network enabling ease of managing gateways over geo-dispersed locations.

- **Isolation from Cyber Threat**
  Private network, off the public internet, minimizing exposure of gateways and cloud applications to cyber security threats.

- **No Security Bypass**
  Security policies applied in the private network, mitigating against SIM tampering. Ease of management with consistent security for all SIM enabled devices irrespective of OS.

- **Seamless Integration to ZTNA**
  Private static IP addresses for identifying the corporate owned cellular devices for seamless cloud access.

- **Ease of Scale**
  Integrated authentication and access service enabling ease of enrolling devices securely into private networks for metrics gathering.

OPERATIONAL EFFICIENCY

Private network with centralized management of security reducing the operational cost per vehicle.

ENHANCED CONTROL

Tailored usage policies for safer internet access, allowing free internet access to employees outside of working hours.

PREDICTABLE BILLS

Insights into monthly data usage patterns, data anomaly reporting and controls.

As a company we strive to run our business efficiently, with Asavie we are not only secure, but our ICT department has gained the agility to innovate and push new services to the field in less time.

COO,
Utilities Services Company

Asavie makes secure connectivity simple for any size of mobility or IoT deployment in a hyper-connected world.

ASAVIE