SElink™

Zero Trust Networking for Critical Applications

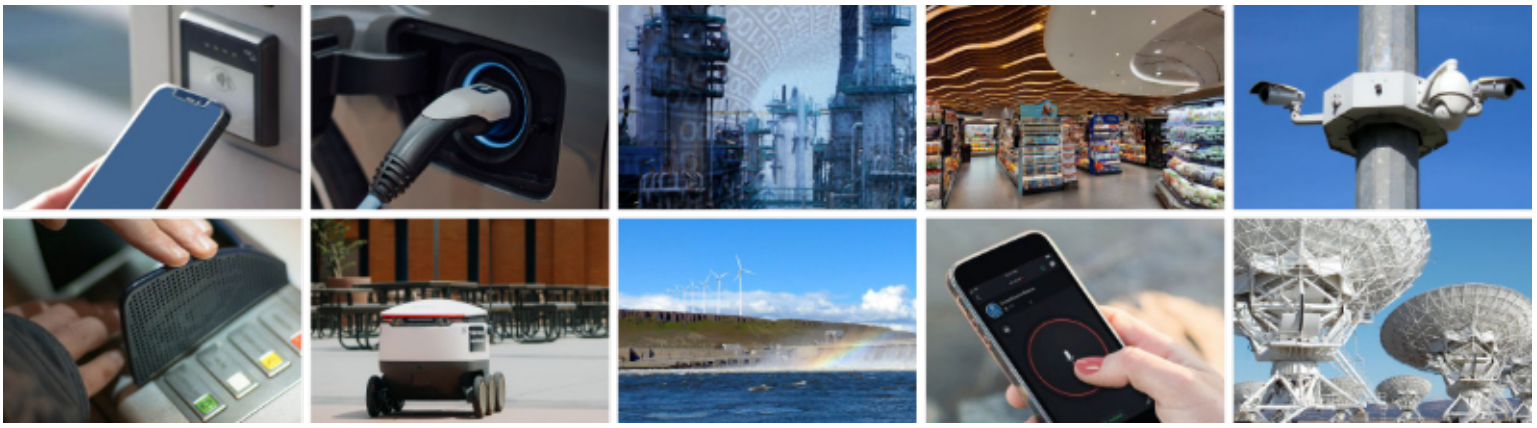
BOOST CONNECTIVITY

SIMPLIFY NETWORKING

ENHANCE SECURITY

SElink™

The all in one solution that connects people, devices and applications to services creating an Air-Gapped Environment through Zero Trust Networking



Boost Connectivity

Maximise connectivity
Multiple concurrent logical and dynamic micro connections, service-based.

Extend connectivity
Supporting broad topology connectivities Client-to-Client, Client-to-Server, Server-to-Client, Site-to-Site

Optimize Data Transfer Speed
Anti-traffic shaping techniques for faster and lightweight data transfer with zero overhead in bandwidth. Overcoming common VPN-related slowdowns

Uninterrupted network availability
The combination of a cluster-based architecture and automatic network recovery mechanisms drastically increase the connectivity and availability of the network during disruptions for business continuity

Simplify networking

Virtualise your links
Virtual dynamic micro-links transparent to any transmission protocol for reduced hardware, faster delivery, high throughput and low delay

Air-gap servers and resources
Servers and endpoints no longer need public or reachable IP address. All assets are hidden from direct exposure to cyber attackers. Penetration tests will find nothing to penetrate

ZERO ports open on Servers
Servers expose services to endpoints without opening any inbound port

Design FLAT networks
No more routers to isolate servers on different subnets. No more subnets for network isolation

Effortless deployments
Quick and easy installation in diverse environments and endpoints (servers, controllers, sensors, cameras, RTUs, routers)

Single point of management
Reducing the complexity of network and security management with centralised and automated processes, as the size of the infrastructure grows

Enhance Security

Granular Service Access Control
Zero Trust, identity and context based access checks to specific applications, strengthened by advanced and continuous authentication mechanisms

ZERO encryption overhead
Making security a reality for constrained-resources devices and bandwidth sensitive applications over poor networks

Reduce the attack surface
Unidirectional micro-links to services, each carrying its own security policies and controls, to close security gaps and prevent lateral movements on the network

Beyond Multi-Factor Authentication
Certified (CC EAL5+) hardware add-ons for authentication and to execute critical processes

Granular Whitelisting
Each secure micro-link is associated to a whitelisted application.
Any "manipulated" application is STOPPED and DROPPED

Increased Agility
Real-time security updates for dynamic reconfigurations to respond to the evolving threat landscape and new NIST standards. No systems redesign needed. Post-Quantum ready

SElink™

Efficiency and Savings

The foundations of SElink design, functionality and value statement

Up to 200%
Bandwidth saving

ZERO encryption overhead in bandwidth, ideal for poor networks, legacy and resource constrained devices

90%
Time saving

Network and connectivity virtualisation reduces setup time and management effort

Over 60%
Energy saving

Versus traditional networks with Firewall, Routers and VPN

Up to 60%
Operational efficiency

Versus the combined management of VPNs, firewalls, and routers with regards to the total workload of the IT infrastructure management

Up to 50%
Cost Savings

Eliminate layered multi-vendor solutions and dedicated network costs: VPNs, dedicated public IP addresses, SIM cards, APNs, MPLS

Feature Benefits

CONNECTIVITY

VPN FREE
Supporting multiple concurrent service-based connections

ZERO
Bandwidth overhead
Lightweight protocols and intelligent routing algorithms optimise data transfer

UNSTOPPABLE
connectivity
Improved performance with anti-traffic shaping and non-evident headers techniques for faster traffic rate

STABLE
on Poor Networks

NO Bandwidth Waste
Only business traffic pass through the ZTNA private network

SECURITY

ZERO
Encryption overhead
Making security a reality even for resource-constrained devices

VPN FREE
Lifting the use of weak standard security protocols as SSL/TLS

Micro-Segmentation
Logical and dynamic micro links at service level with **Data Diode** functions

Crypto agility
Post-Quantum ready
Real-time security updates for systems longevity and resilience

5 Dynamic controls
Granular Privileged Access Management with **ZTNA - Zero Trust Network Access** approach

NETWORKING

ANY Topology
Client-to-Client
Client-to-Server
Server-to-Client
Site-to-Site

Air-gapping
NO Public IP addresses
NO open inbound ports
NO dedicated switched networks
NO dedicated APN or SIM cards

FLAT Networks
Deploy a flat LAN with segmentation at service level

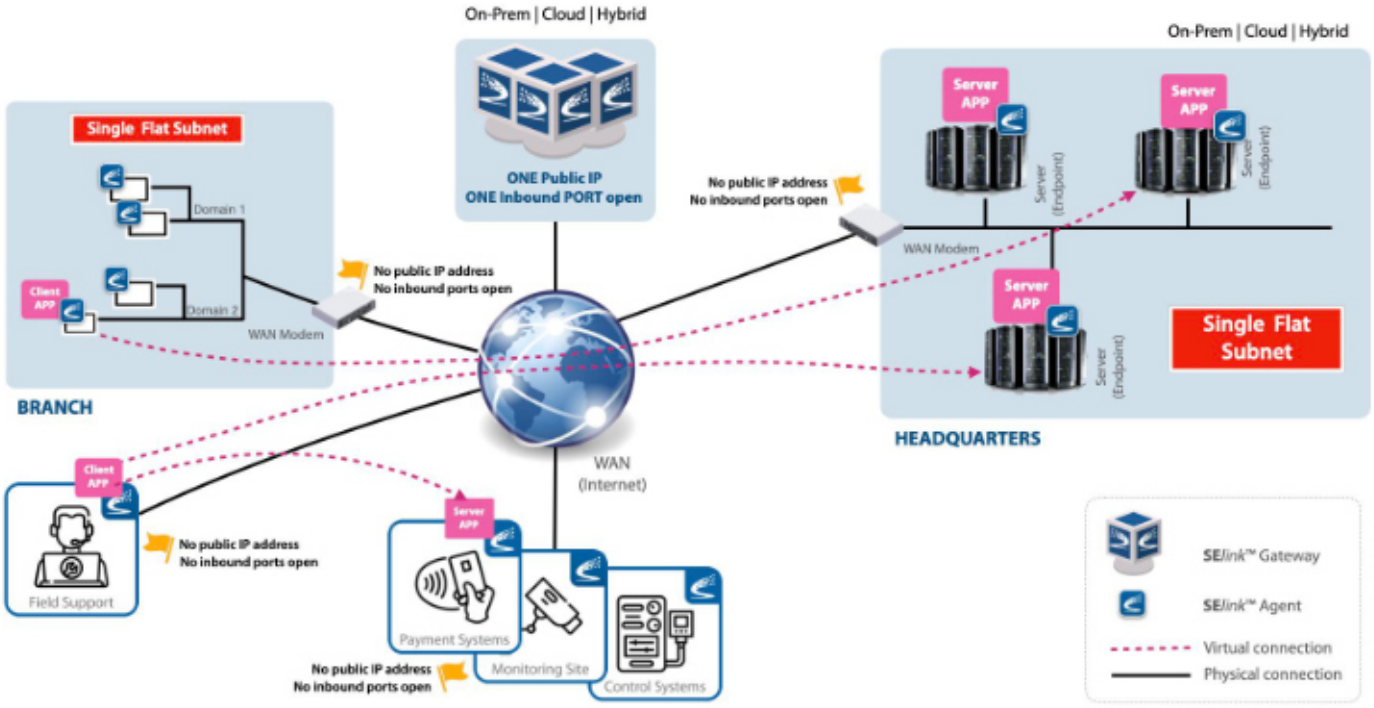
SCALABLE
Redundancy DR projects
Cluster architecture for high availability and high performance

UNIFIED Management
API for seamless integration
and Advanced Analytics

SELink™

Flexible Deployments

Across Key Systems and Network Topologies



Improve OT-IoT & IT Systems

Efficiency | Connectivity | Security

- Protocol transparent mechanisms for easy integration in heterogenous devices
- Optimal for bandwidth-sensitive applications over poor network connections leveraging lightweight protocols and cryptographic frameworks
- Zero Trust Networking to reduce the surface of attack and rationalise assets
- Crypto agility and Quantum-safe strategies to future-proof the digital infrastructure

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