Shaping resilient IT

We navigate with our customers the stormy cyber seas

Blu5 Group







Facts & Figures

- √ Founded in 2007 by security professionals
- √ Teamed by patent-inventor engineers (40+ patents) in Cyber Security
- ✓ Agile company for rapidly changing scenarios
- ✓ Over 20 years experience collaborating with Governments
- ✓ Over 18 Countries presence
- ✓ Award-winning Technologies









Industry Footprints



Gov Mil & Space

Remote Control
Nano-Satellites
Critical Communications



Finance & Banking

ATM & POS Enhancement
Infrastructure Optimisation
Security Enhancement
Anti-phishing



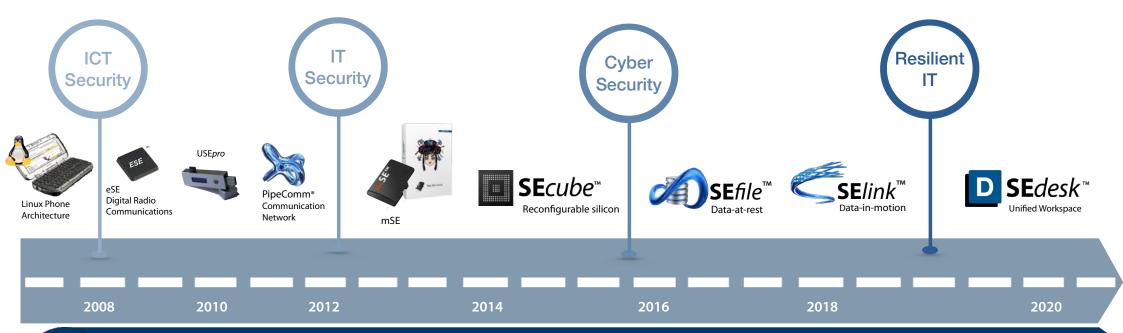
Critical Infrastructures

Remote Control
Secure IoT
Security Enhancement

We have come a long way

"We raise industry standards by assessing capabilities and processes through our solutions, while maintaining B5 status as innovation leader"

Antonio Varriale, **B5 Group CTO**











Endorsements



- Scientific papers (secube.eu)
- Publications (Springler, Resilience of Cyber-Physical Systems)
- Open source projects (secube.eu)
- Core technology approved EAL6+ and NIST compliant
- Validated technologies used in Cybersecurity challenges and programs

















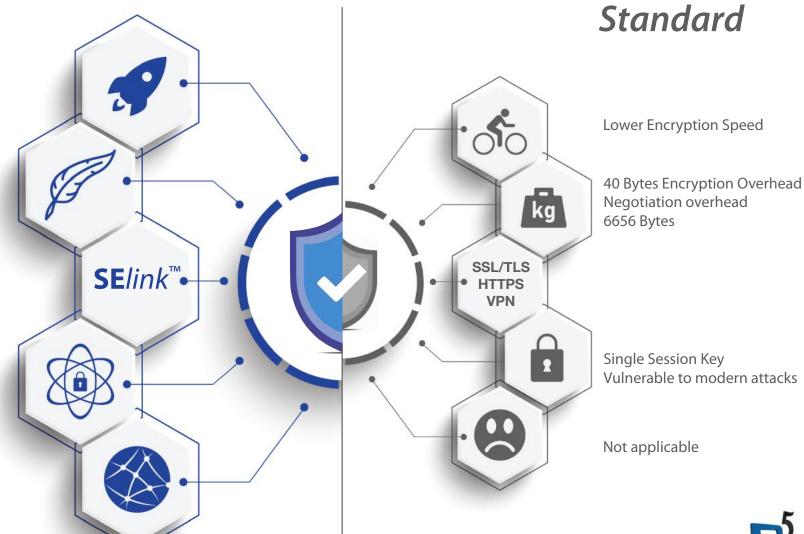


High Encryption Speed

ZERO Byte Encryption Overhead Negotiation Overhead 278 Bytes

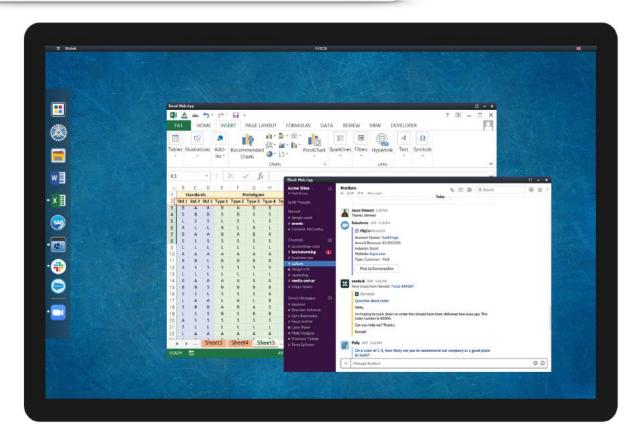
> Evolving Session Keys Quantum-Safe

Service-Level Routing Device Virtual Sensing





www.sedesk.eu

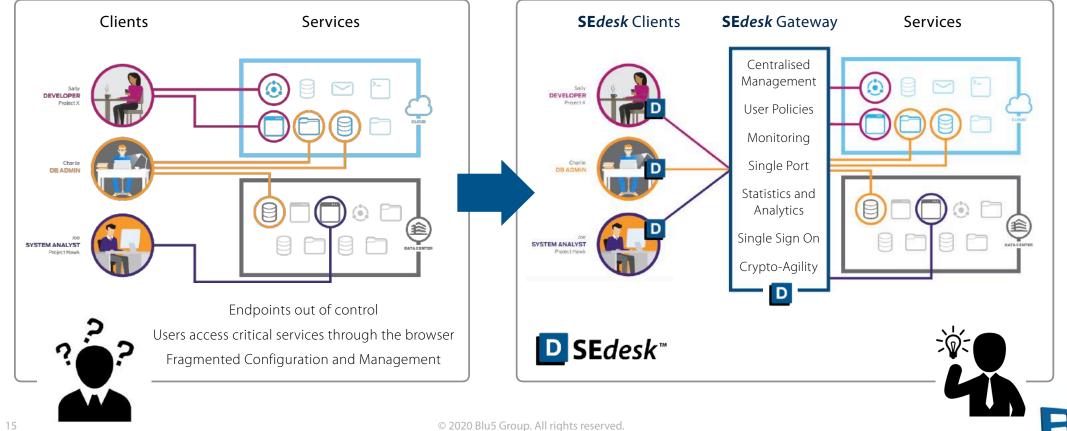


Access to web and SaaS applications through browser-less isolated environment delivering secure true desktop experience



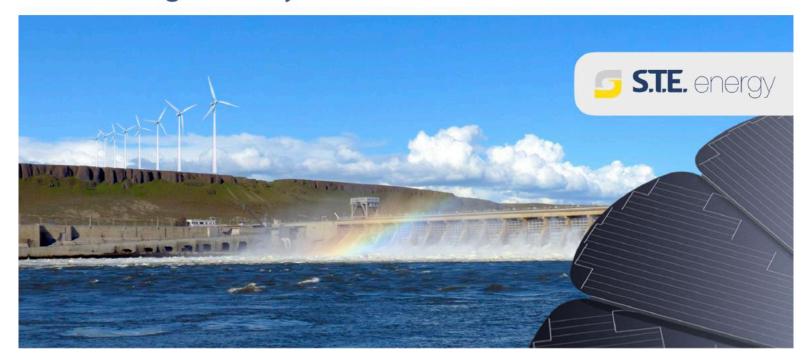


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Harnessing Data Analytics in Power plants while addressing Security concerns





Challenge

Bridge the gap between IT and OT to maximise efficiencies and cost savings of the IoT and the smart grid balancing security, productivity and flexibility

Solution

SEdesk™ unified workspace provides secure remote access to whitelisted resources and ondevice isolation to reduce the surface of attacks





Secure Command & Control for non-lethal weapon installations





Challenge

Optimise the effectiveness of secure remote Command & Control for systems, designed to be deployed in multiple locations and potentially difficult to reach with suitable infrastructure

Solution

Securing connections between multiple sites critical systems with hardware-based, military grade solution. Bypassing typical limitations of VPN or other traditional networking tools





Kiosk industry catching up with changing security challenges and landscapes





Challenge

Allow customers to **complete** various day to day **transactions**, traditionally handled **by a teller**, without assistance at any time of the day, **providing extra piece of mind**.

Solution

Providing secure remote access and isolation to financial services on self-serve kiosks, reducing the surface of attacks.





Securing your receivables in the Credit Management Space





Challenge

- Maintaining trusted relations with late paying customers
- Ensuring protection of customer personal data, multiple communication links and payment transactions in the area of BYOD

Solution

Providing securing remote access and on-device isolation to third party critical applications.

Bypassing typical limitations of VPN or other traditional networking tools





The importance of connected data in Threat Intelligence





Challenge

- Producing timely, actionable and relevant CTI products
- Dissemination of CTI to various stakeholders, and integration with other systems
- Privacy and legal implications in data sharing

Solution

Providing securing remote access and on-device isolation to third party critical applications.

Bypassing typical limitations of VPN or other traditional networking tools





Endpoint threat response through A.I. and Isolation





Challenge

- BYOD impacting the traditional security model of protecting the IT perimeter
- The sheer amount of software installed on the endpoint creates vulnerabilities

Solution

Providing securing remote access and on-device isolation to third party critical applications.

Bypassing typical limitations of VPN or other traditional networking tools





Infrastructural Cost Reduction and Optimisation for ATM Networks





Challenge

- Increase ATM & POS network ROI
- Deliver cost saving while supporting BASE 24 legacy requirements
- Enhance security, performance and flexibility of the ATM & POS network

Solution

SElink™ system is a service oriented secure virtual routing infrastructure, able to replicate ATM clients and servers behaviours in a seamless way





ATM Security Enhancement and Optimisation





Challenge

- ATM needs to be secured
- · Reduce bandwidth
- Standard protocol not designed to face new trends of cyber attacks
- Quantum Computing Era is real

Solution

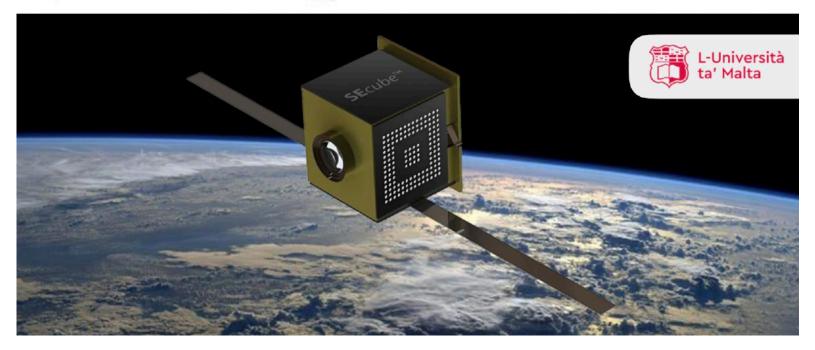
SElink™ protects data-in-motion.

Optimised with military-based techniques, passing encrypted packets through narrow channels with Zero Overhead, Crypto Agility ready for Quantum Cryptography





Pico-satellites for In-Orbit Validation of tomorrow's spacecraft technology





Challenge

- Quantified reliability of devices
- Space-validation of COTS components
- Lowering costs of in-orbit validation
- Shorter time-to-market

Solution

SEcube[™], a **space resilient**System-on-Chip. **Adaptive** and **reconfigurable** it is suited for the design of small satellites requiring **reduced size** and **low power consumption**





Addressing the security challenges posed by Cyber-Physical Smart Water Systems





Challenge

- engineering the integration and interoperability of physical and computational elements
- security and privacy issues of smart CPS to meet data protection regulations

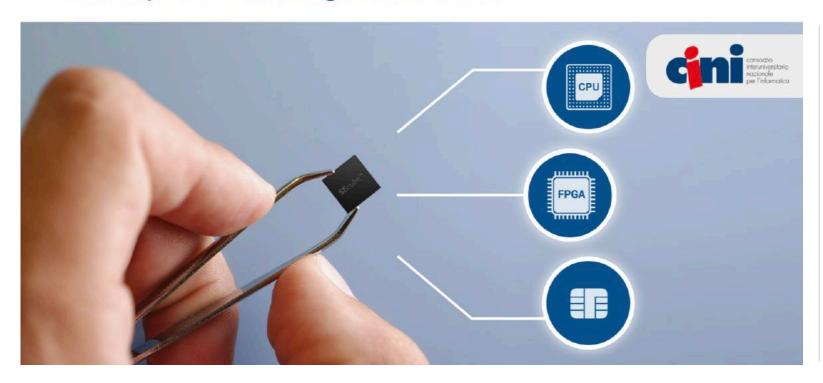
Solution

SEcube™ System-on-Chip focuses on security in support of CPS for the management and protection of data to **preserve ownership rights** as well as **beneficial use of data**





Future-proof reconfigurable silicon





Challenge

- Pressure to develop systems to meet evolving standards
- Extended designers' freedom to system alterations after production without hardware redesign

Solution

SEcube™ is a programmable
System-on-Chip with a tamper
resistant chip and FPGA making it a
fit to purpose solution for fast
prototyping without hardware
redesign, rapid application
developments, efficient parallel
programming





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Shaping resilient IT



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