COMPANY PROFILE

HighSecLabs
Highest Security Solutions

ABOUT HSL

HSL creates cyber secure, HW-based, KVM switching peripheral sharing solutions for organizations with multiple isolated networks of different classification levels. HSL's products:

- Protect networks from data leakage & malicious code attacks
- Securely allow cross-domain data transfers
- Improve workflow and simplify tasks

HSL operates globally with a broad off-the-shelf product portfolio that is customizable as required. Products are TAA/BAA compliant and manufactured using secure supply chains.

PRODUCT LINES

HSL's has three key product lines designed for common applications:

- **Secure Product Line**: Secure KVM switching products that are compliant and certified to rigorous standards such as NIAP, Common Criteria and FIPS.
- **Rugged Product Line:** Rugged and secure KVM switching products, offering the same protection as the Secure Product Line, but designed and manufactured according to rigorous MIL-SPEC standards for field deployment on land, marine and airborne platforms
- **Commercial Product Line:** KVM switching products built to the same high quality of the Secure Product Line, but with advanced workflows and data-sharing capabilities

HSL's COTS products can be customized to fully meet customer requirements.

HSL's comprehensive product lines are divided into families that are commonly used in these environments:

PRODUCT FAMILIES	CONTROL ROOM	MEETING ROOM	SECURE DESKTOP	DEFENSE	CRITICAL INFRA-STRUCTURE
KVM Switching Family	✔	✔	✔		
Neous KVM/AV Over IP Matrix	✔				
SoundSentry Meeting Room Solutions		✔			
Cross Domain Solutions	✔		✔	✔	✔
KVM and Video Isolators	✔	✔			
KVM and Video Extenders	✔	✔			
Audio Diodes		✔	✔		
Rugged Products				✔	
Babylon Secure Communications	✔	✔	✔		

DESCRIPTION OF FAMILIES

❯ KVM SWITCHING FAMILY

A complete family of KVM switching solutions including KVM, Mini-Matrix, KM, and Combiner (multiviewer+scaler+KVM) switches. Available in secure, rugged and commercial versions, and in capacities from 2-port to 16-port.

❯ NEOUS KVM OVER IP MATRIX

The world's first **secure** multi-domain, multi-classification KVM and Video over IP matrix solution compliant with recognized security standards including NIAP, FIPS, common criteria and 802.1x NAC. The **Neous matrix is completely isolated** and prevents data leaks between sources and blocks unauthorized access and devices using advanced encryption technology.

The solution is flexible and scalable and can be expanded as needs grow. The Neous matrix supports fast zero-latency switching for even the most demanding applications.

The Neous matrix is augmented by the secure KVM switching family to support workstations, video walls, video scaling and multiviewing.
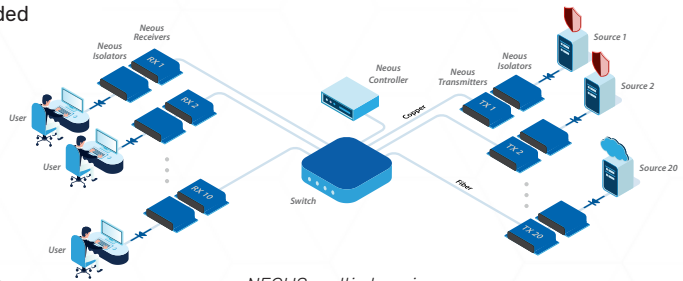
NEOUS multi-domain matrix architecture

❯ SOUNDSENTRY SECURE MEETING ROOM SOLUTION

Conduct meetings securely in a multi-domain, multi-classification environment. Includes secure KVM switches, a secure videobar, a dedicated videobar diode, anti-eavesdropping active quiet boxes and managed power strips.

The SoundSentry solution prevents eavesdropping and data leaks while providing a powerful, intuitive and flexible environment for interacting with meeting room peripherals and computer sources, including **securely integrating guest computers** into the meeting room environment.

The robust and secure KVM switching family integrates into the SoundSentry solution to provide support for multiple screens and views.

❯ **CROSS-DOMAIN** SOLUTIONS

Targeted desktop solutions to isolate and filter specific applications and protocols. Solid hardware-based security and filtering that is easily installed without any infrastructure changes. Solutions include RS-232, XML, JSON diodes and filters, file transfer diodes, H.264/5 and remote desk-top diodes and filters.
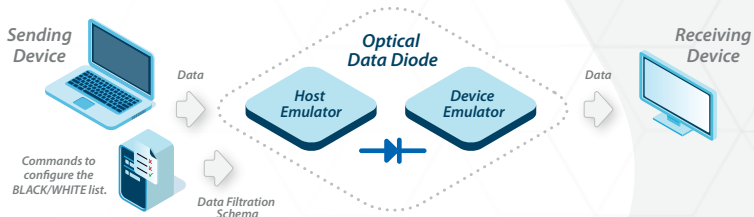
Data diode and filtration used for RS-232 transfers

❯ **KVM AND VIDEO** ISOLATORS

Secure, NIAP PP4.0 certified Isolators, filter computer video and USB data and enforce unidirectional data flow, preventing shared peripheral vulnerabilities from compromising network security.

❯ **KVM AND VIDEO** EXTENDERS

Extends KVM and video signals up to 10Km over fiber and up to 100m over copper. Various extension options are available including DP, HDMI, USB 2.0, USB 3.0, USB 3.2 and USB-C. PoE and PoC available on select models. Rugged versions for copper or fiber available as well.

❯ **AUDIO, WEBCAM & VIDEOBAR** DIODES

The perfect solution for eliminating data leaks in offices and meeting rooms that exploit vulnerabilities in audio and video camera peripherals. Microphones and webcams are kept in a normally closed state, preventing unintended transmissions: the user must press a button to allow media to flow. Data breaches using high frequency transmissions over loudspeakers are blocked using the embedded low-pass filters. Data diodes prevent retasking loudspeakers as microphones.

❯ **RUGGED** PRODUCTS

A full set KVM switching products
including KVM, Mini-Matrix and Combiner
switches, along with extenders and remote controls all compliant with MIL-SPEC
standards including MIL-STD-810, MIL-STD-1275, MIL-STD-46, and IP67. NIAP
PP4.0 and TEMPEST compliant. The product line is customizable to meet the exact
requirements of the land, marine or airborne platform.

❯ **BABYLON SECURE** COMMUNICATIONS

A military-grade encrypted communication system for using smartphones over a
public cellular network. Leading commercial smartphones are fitted with a special
encryption jacket, creating a safe and secure communication device.
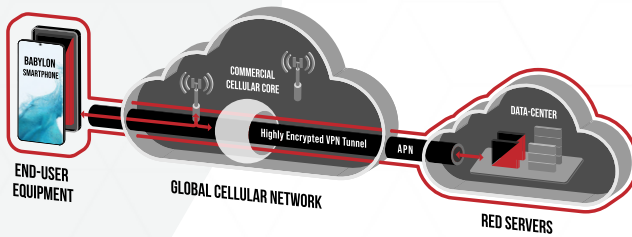
APPLICATION FOCUSED SOLUTIONS

HSL delivers purpose-built solutions tailored for critical
applications like control rooms and meeting spaces. The
Neous™ KVM over IP matrix incorporates certified components
and fully integrates with HSL's
secure KVM switches to provide
secure and powerful multi-
domain **control room**
interaction with video
walls and workstations

For meeting rooms,
SoundSentry™ prevents
eavesdropping and data
breaches by securing multi-
classification environments
with tools like secure videobars,
videobar diodes, managed power
strips, KVM switches and active
quiet boxes.

With advanced hardware-
based security, HSL provides
flexible solutions to meet the
demands of each environment.
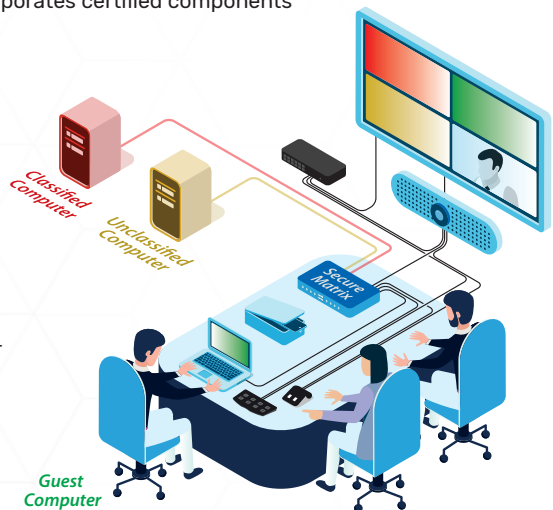
HIGH SEC LABS (HSL)

Develops high-quality, cyber-defense solutions in the field of network and peripheral isolation to protect national assets and infrastructure.

MADE IN THE USA,
BAA AND TAA COMPLIANT.

TAA COMPLIANT · TRADE AGREEMENTS ACT

BAA COMPLIANT

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