



CYBER OPTIC TECHNOLOGY

Enhancing Cyber Security to the Next Level

TRENDING CYBERSECURITY CHALLENGES

- SILOED ORGANIZATIONS
- LEGACY SYSTEMS (especially in Government)
- CYBER TREATS FOR FINANCIAL SECTOR
- RELIANCE ON BOLTED-ON POINT
- LACK OF CONTEXTUAL AWARENESS OF THREATS AND SOLUTIONS;
INCLUDING HARDWARE PRODUCTS
- LACK OF SKILLED PERSONNEL
- GEO POLITICAL RISKS

Every Peripheral Device can be a Cyber-Threat

Peripheral device cyber-attacks: data theft, financial loss, reputation damage

- Peripheral devices vulnerable to hackers (firmware, software)
- Unauthorized access to personal information
- Increased risk with network connections
- Lack of firmware/software updates and weak passwords heighten vulnerability

tel lives under consistent Cyber Threat

The image is a screenshot of a news article from SecurityWeek. At the top, there's a dark blue header with the "SECURITY WEEK" logo and "CYBERSECURITY NEWS, INSIGHTS & ANALYSIS". Below the header are several navigation links: "Malware & Threats", "Security Operations", "Security Architecture", "Risk Management", "CISO Strategy", "ICS/OT", and "Funding/M&A". A date "OCTOBER 23-26, 2023 | ATLANTA, USA" is also visible. The main title of the article is "Industrial Systems in Israel Disrupted by Hacker Attacks". A short subtext follows: "Systems were disrupted recently in Israel in an attack that once again shows how easy it is to hack industrial control systems (ICS)." Below the text are social sharing icons for Facebook, Twitter, LinkedIn, and a message icon. To the right, there's a "TRENDING" section with three numbered items: 1. "Ransomware Group Used MOVEit Exploit to Steal Data From Dozens of Organizations", 2. "Gigabyte Rolls Out BIOS Updates to Remove Backdoor From Motherboards", and 3. "Google Patches Third Chrome Zero-Day of 2023". Further down, there's a section titled "The Record" with the subtitle "Recorded Future News". Below this are category links: Leadership, Cybercrime, Nation-state, People, and Technology. A large, blurry image of a port with shipping containers and cranes is at the bottom left. A smaller, clearer image of a port with shipping containers and cranes is at the bottom right. At the very bottom, there's a caption: "THE ISRAELI PORT OF HAIFA. IMAGE: TED MCGRATH / FLICKR / CC BY-NC-SA 2.0".

consistent Cybe

The image is a dark, abstract background with blurred lights and shapes, possibly representing a city at night or a digital interface. It features a prominent white text area in the upper left corner.



FIBERNET - EMPOWERING CONNECTIVITY SOLUTIONS



Fibernet: Israeli manufacturer of Fiber-optic solutions for High Density Connectivity and Cyber Security Pro AV. HQ in Israel with 200+ employees.

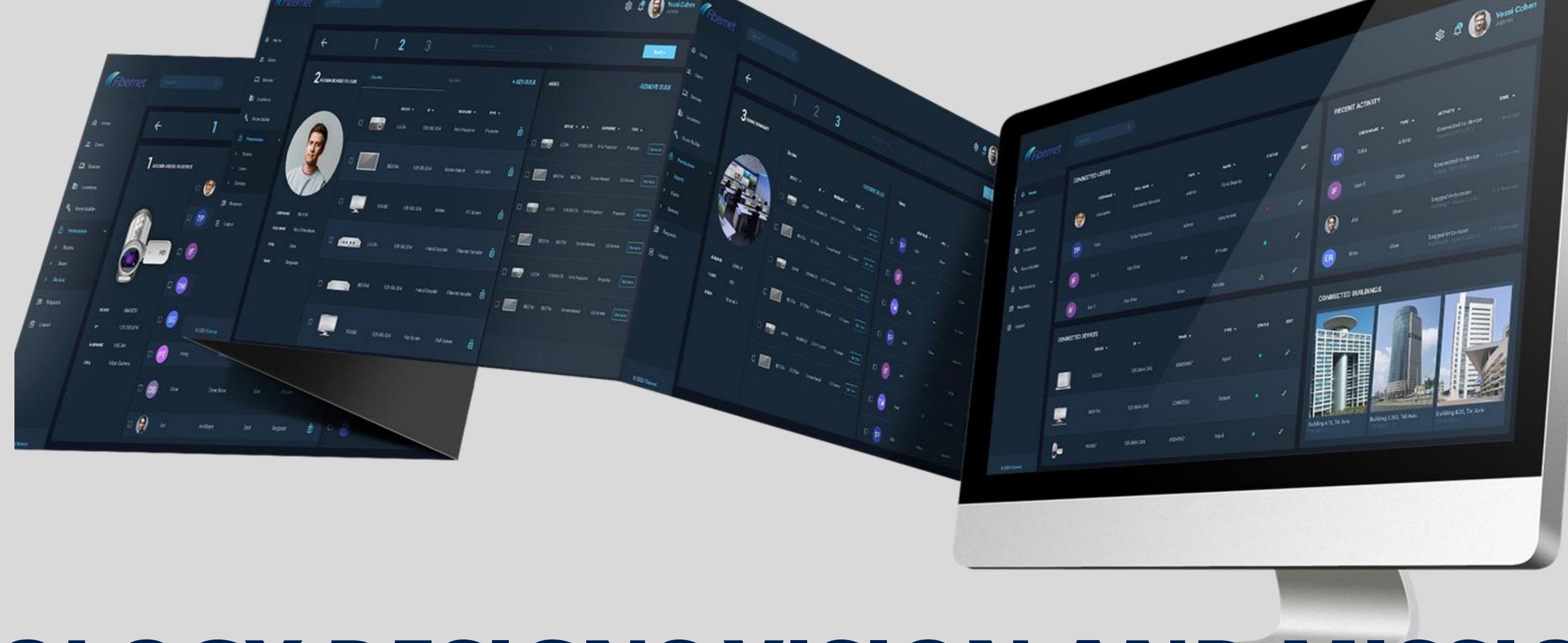
Secure, Innovative, Robust Solutions

100+ projects for Federal and Military Agencies

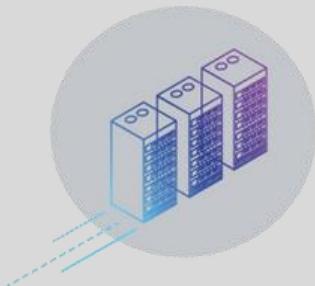
- Tailored to Customer's Needs
- Unmatched Reliability
- Challenging Environments
- Mission-Critical Support

Encouraging the growth of technologies and cybersecurity

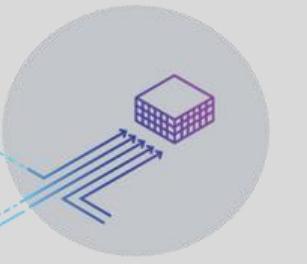




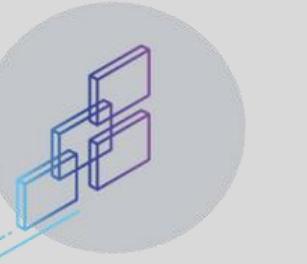
TECHNOLOGY DESIGNS VISION AND MISSION



**HIGH DENSITY
FIBER OPTIC
SOLUTIONS**



**Pro AV
CONTROL
SOLUTIONS**



**SECURED
OVER IP
SOLUTIONS**



**FTTX
END-TO-END
SOLUTIONS**



SECURING PERIPHERALS ENSURE CYBER DEFENSE



Protecting communications



Protecting organization network



Secure Peripherals by **Blocker Series**

- Prevent Cyber Attacks from Screens and Displays
- Physical Disconnection for Enhanced Security
- Unidirectional (Diode) Video Transmission
- Total Galvanic Separation and Separated Power Supplies



Wast experience in various projects

Homeland Security Monitoring Center, Main Command Center IDF, Energy Company of Israel, Government Agencies, Banks and Healthcare Centers, ElAl, Israeli Police



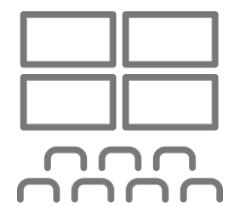
SECURE CONTROL ROOMS

Target sectors: NOC, SOC / NETWORK SEGMENTATIONS
/COMMAND AND MONITORING ENVIRONMENTS

Featured and beneficial control system



Both units TX and RX are connected by fiber optics (MM or SM)



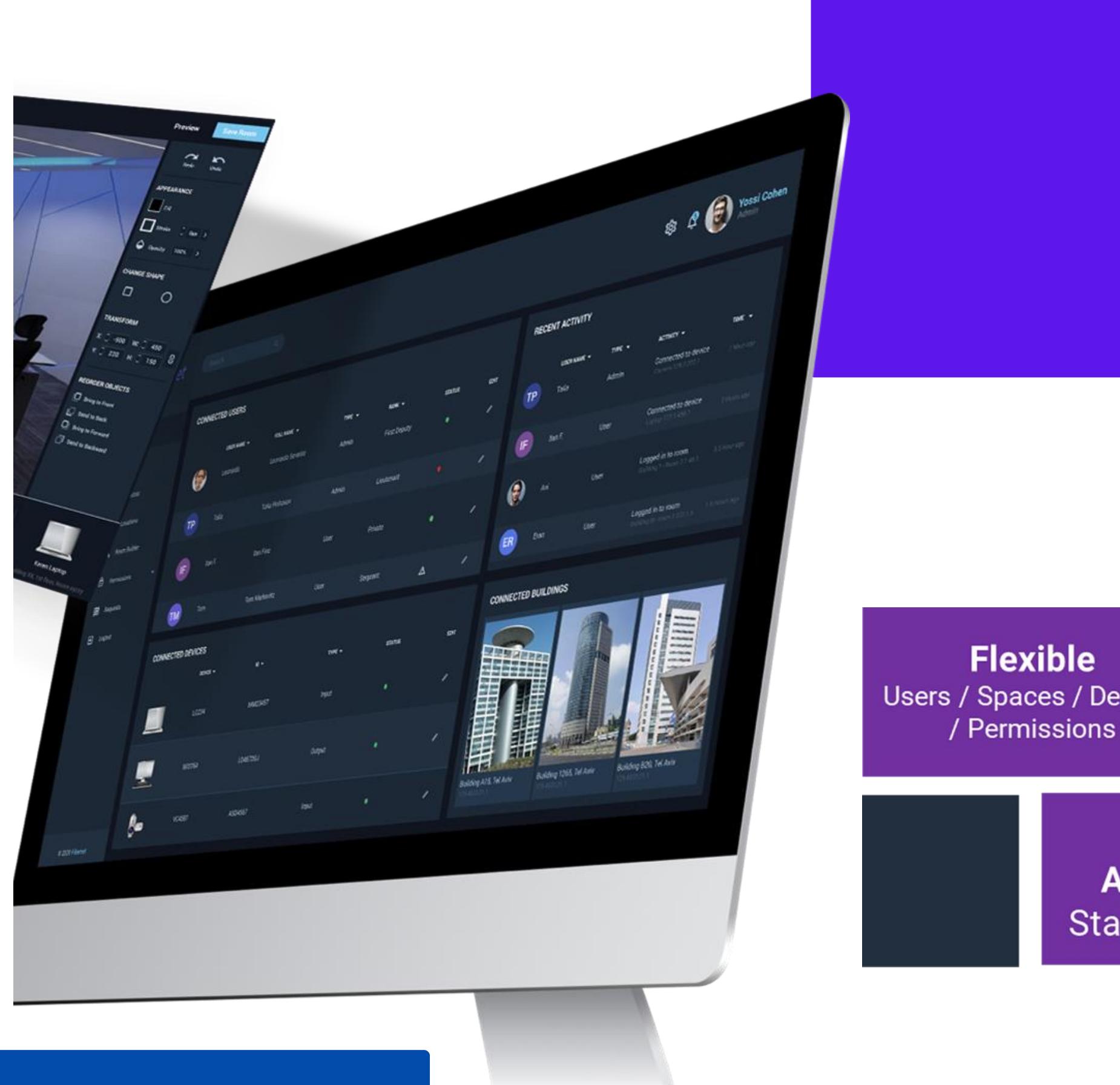
One-way on both USB and video connections



Galvanic insulation between both sides of the channel by fiber optic cables



Isolating, filtering and emulating communication



*Super*W*ision*

THE ULTIMATE APPLICATION TO INSTALL, MANAGE & CONTROL AV over IP solution

Flexible Users / Spaces / Devices / Permissions

KVM and Pro AV
Over IP

Dashboard &
Graphical **interface**

From **any** Browser,
Touch or Pointer

Control,
Automation &
Status Monitoring

Logs and Troubleshoot tools

Redundancy and Backup for **24/7** work

user-friendly application that enables IT Team to execute room control and video walls



Secure network should have multiple layers of protection

Blocker Adaptors provide hardware cybersecurity, preventing attacks and information leakage from audio and video devices (sink) towards the PC (source) connected to the adaptor



BLOCKER
Hermetically Secured KVM

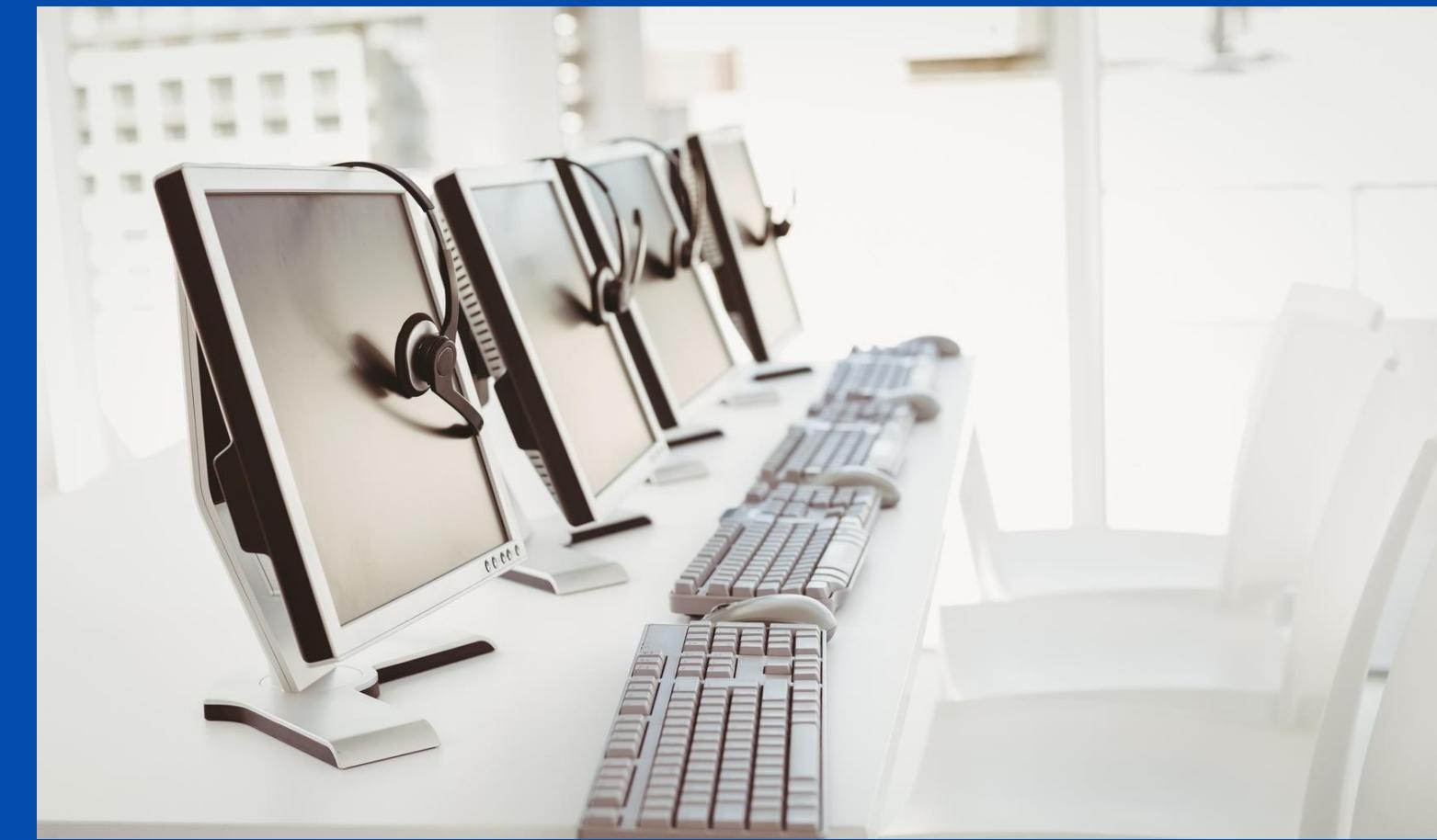
 **Fibernet**
NEXT-LEVEL COMMUNICATIONS

KEY FEATURES

- Compact size
- Plug & Play
- Reliable isolation of data
- High level cybersecurity



AUDIO & OTHER SECURITY
PRODUCTS: SECURE TIMER FOR
USB AND AUDIO PERIPHERALS



- Diode-based protection for A/V sources
- Prevents data leakage
- Physical disconnection of traffic
- Fixed EDID emulates a display
- Forces unidirectional video transmission from the source side



MY BLOCKER

HDMI PROTECTION



One-way data flow
Functionality

PROVIDES NECESSARY
CONNECTIVITY, CREATES
PHYSICAL BARRIER TO UNSAFE
DATA FLOW ON VIDEO, AUDIO
AND USB SIGNALS.



No Compromise to quality

High-resolution video support: up
to 1080P / 4K
Optical Galvanic separation
Separate units with power supplies for
"Destination" and "Source" sides



SECURE MEETING ROOM

- Complete solution to secure any meeting room
- Prevents data leakage from connected displays
- Physical disconnection of traffic on destination side
- Cost-effective and Straightforward Solution



EMPOWER WITH SECURE AND VERSATILE SOLUTIONS FOR DIVERSE APPLICATIONS

Network Operation Centers (NOC)

Machine control rooms

Digital signage

Government and Military Sector
urgent and important operations

Transportation management

Computer labs

Data centers

High frequency trading

SCALABILITY AND FLEXIBILITY



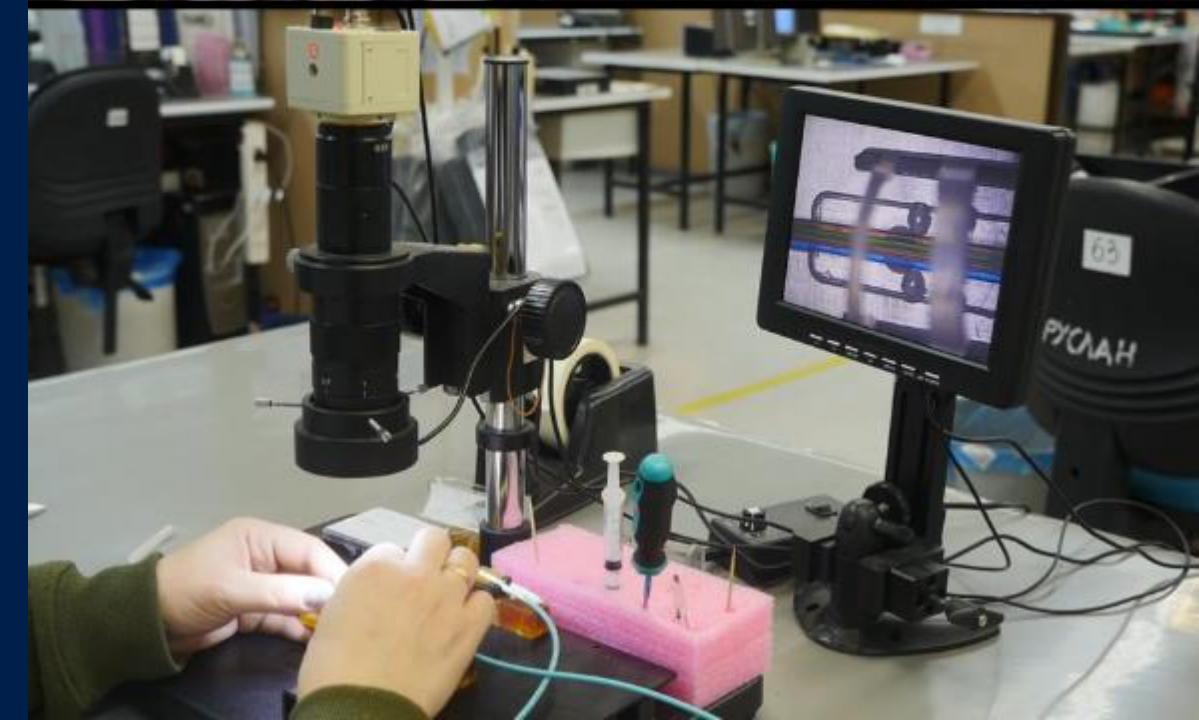
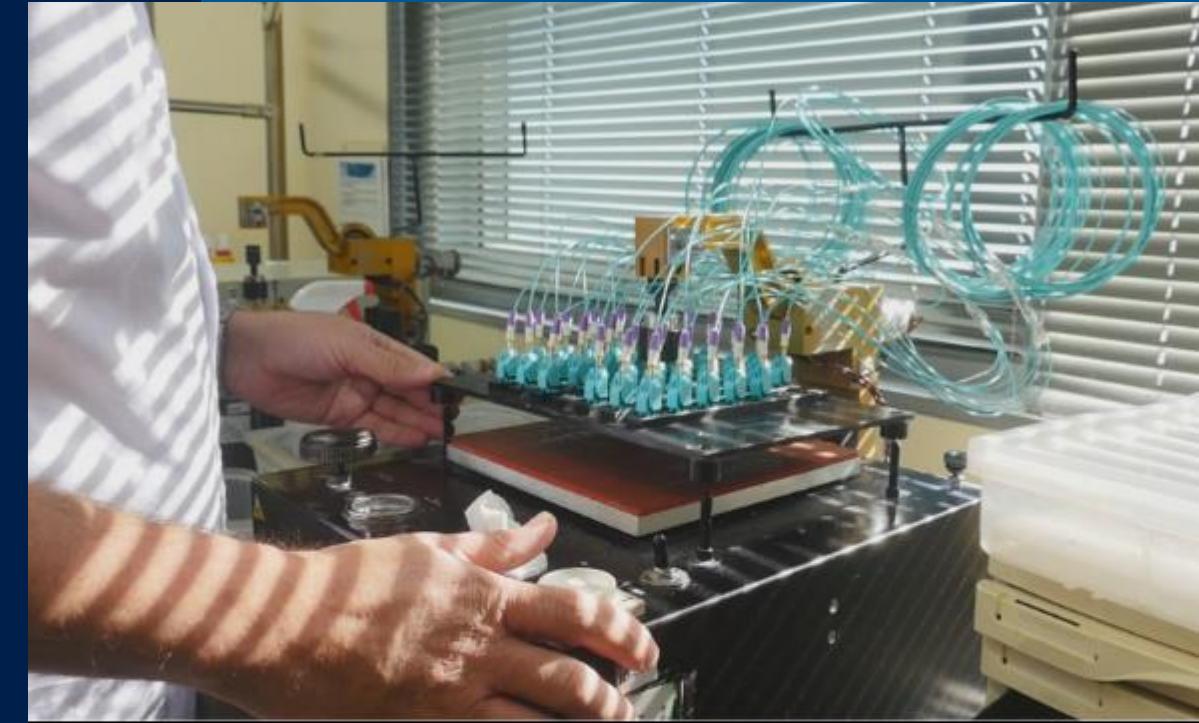
Customizable and Modular Solutions

- END-TO-END SOLUTIONS
- From development to production
- System Engineering/
Mechanical
Engineering/Software
Engineering

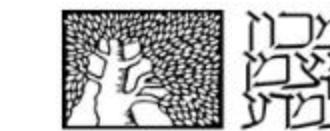


Advanced Security Features

- Specializing in passive infrastructure for optical networks
- R&D and Presale teams
- Patented Technologies



UNLOCKING SUCCESS WITH FIBERNET



Partnering with Government Agencies and Defense Departments

Empowering Telecom, Finance, IT, Healthcare, and More

Enabling Secure Fiber Optics and Robust Cybersecurity Solutions



ELEVATE YOUR SECURITY: UNLEASH THE POWER OF NEXT-LEVEL CYBER PROTECTION

Tools & Protections

Expertise & Experience

- Seamless Implementation
- Confidentiality Assured
- Cost-Effective
- Exceptional Service

FIBERNET PARTNERSHIP

Enhancing Cyber Security to the Next Level