



| CYBER SECURITY | PRO AV | FIBER OPTICS

Tech **INNOVATIVE** User **FRIENDLY** Cyber **SECURE**



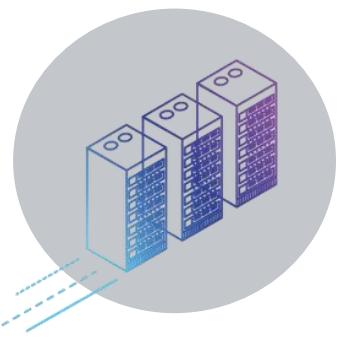
COMPANY BACKGROUND

Fibernet: 30 Years of Excellence

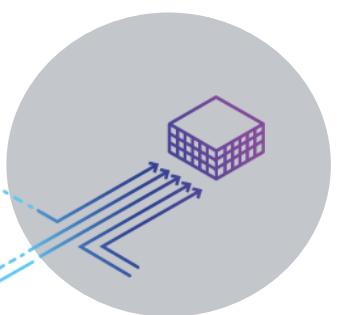
- Leading supplier for Government Agencies and Defense Departments of Fiber optics and physical cybersecurity solutions
- Serving telecom, finance, IT, healthcare, and more

AMONG OUR CLIENTS

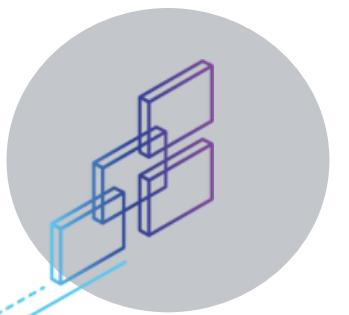




**HIGH DENSITY
FIBER OPTIC
SOLUTIONS**



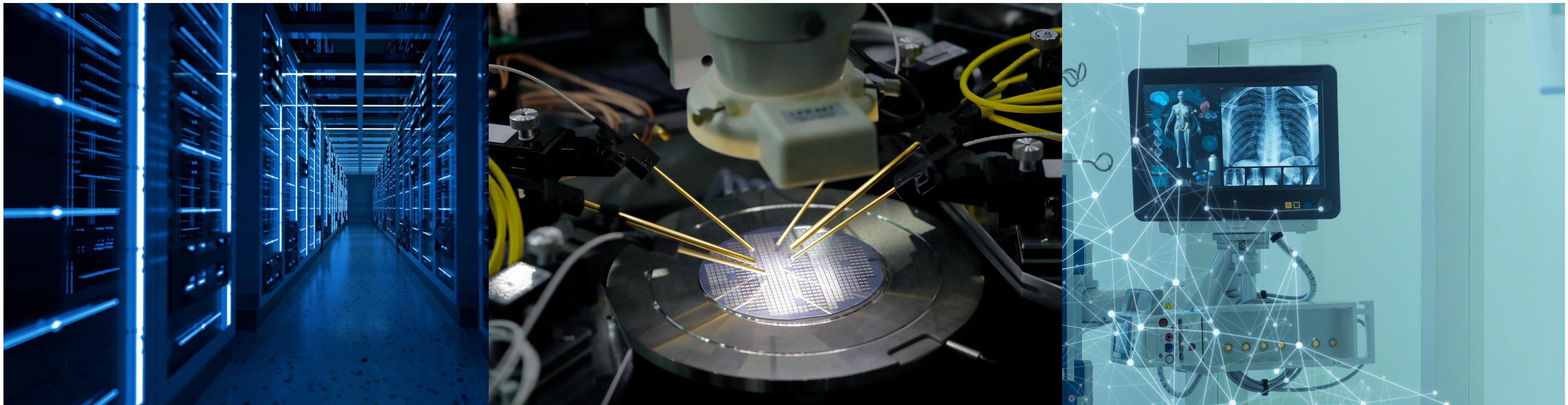
**Pro AV
CONTROL
SOLUTIONS**



**SECURED
OVER IP
SOLUTIONS**



**FTTX
END-TO-END
SOLUTIONS**



DATA CENTERS & TELECOM

- High-density fiber optic solutions – optical distribution frames - efficient, compact, and upgradeable solutions
- Hybrid connectivity solutions for Server Rooms
- Other Optical Installations
- FTTx and 5G networks design, optimization, and support

HIGH-TECH, SEMICONDUCTOR & DEVICES

- Diverse Fiber Options: standard and special fibers to meet high-tech customer requirements.
- Custom Subsystems: tailored solutions for seamless integration and enhanced performance.
- Advanced Semiconductor Assembly: for medical.



MILITARY & DEFENSE

- Robust fiber optic and electronic solutions for defense in various environments
- Compliant with military standards, including Iron Dome and Arrow projects (anti-ballistic missile project)



CYBER-SECURITY & SECURED AVOIP

- Secure end-to-end solutions for command-and-control centers, SOCs, NOCs, smart classrooms and Audio Video Control Room; Digital Signage
- Over IP solutions

QUALITY COMPLIANCE

Strives for the highest quality possible. Our products and projects adhere to international standards:
ISO 13485:2016, ISO 9001:2015 and **AS9100D** the Aviation, Space and Defense industries standard.



INTERNATIONAL STANDARDS COMPLIANCE

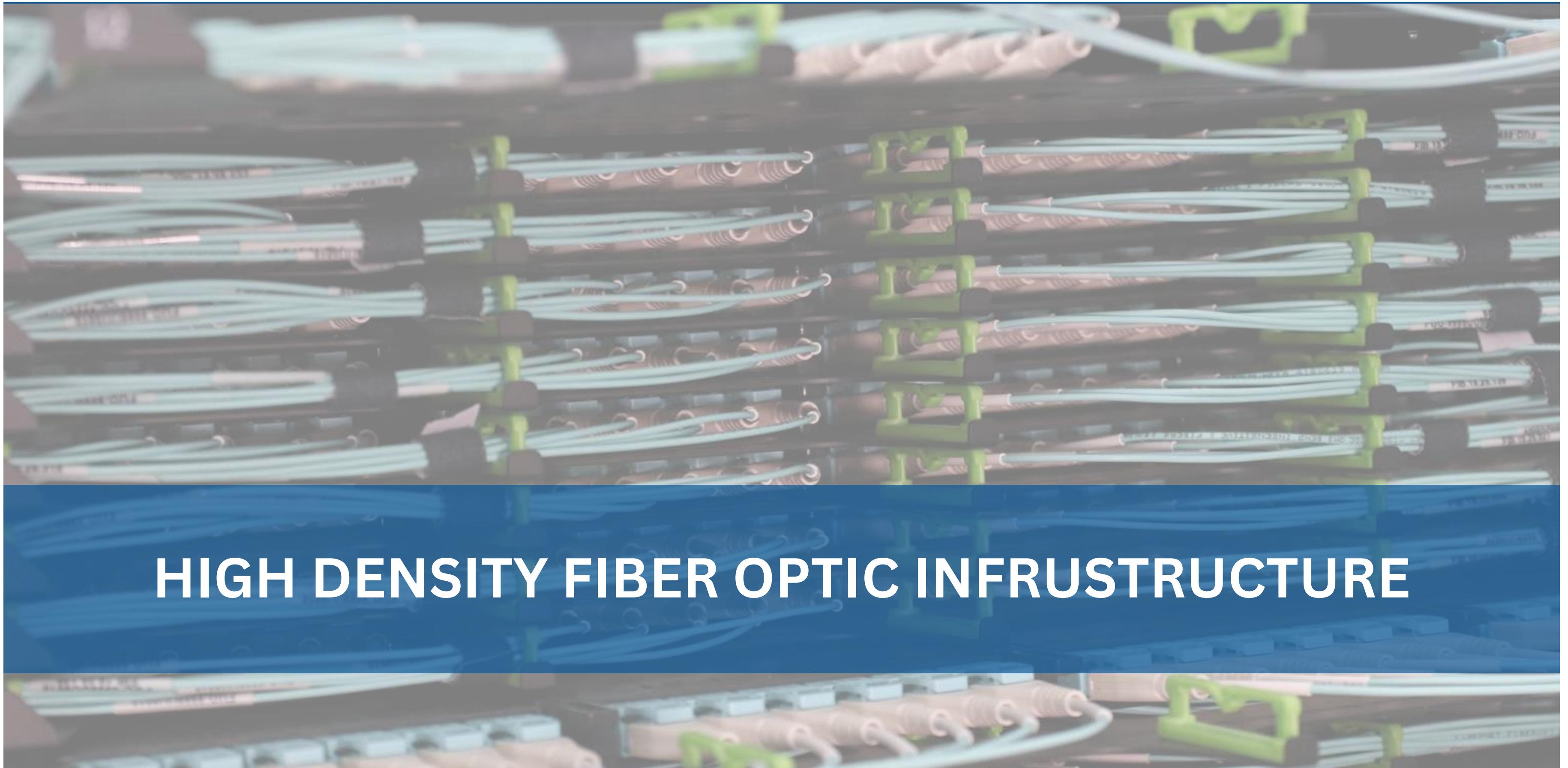




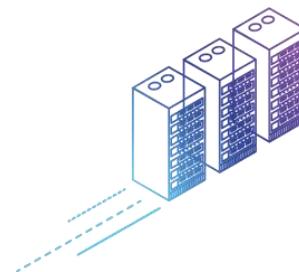
NEXT LEVEL COMMUNICATIONS



- Israeli manufacturer of fiber optic solutions
- Specializing in passive infrastructure for optical networks
- In-house R&D and presale teams
- Continual innovations
- Knowledge center
- END-TO-END SOLUTIONS
- From development to production System Engineering
- Mechanical Engineering
- Software Engineering



HIGH DENSITY FIBER OPTIC INFRASTRUCTURE



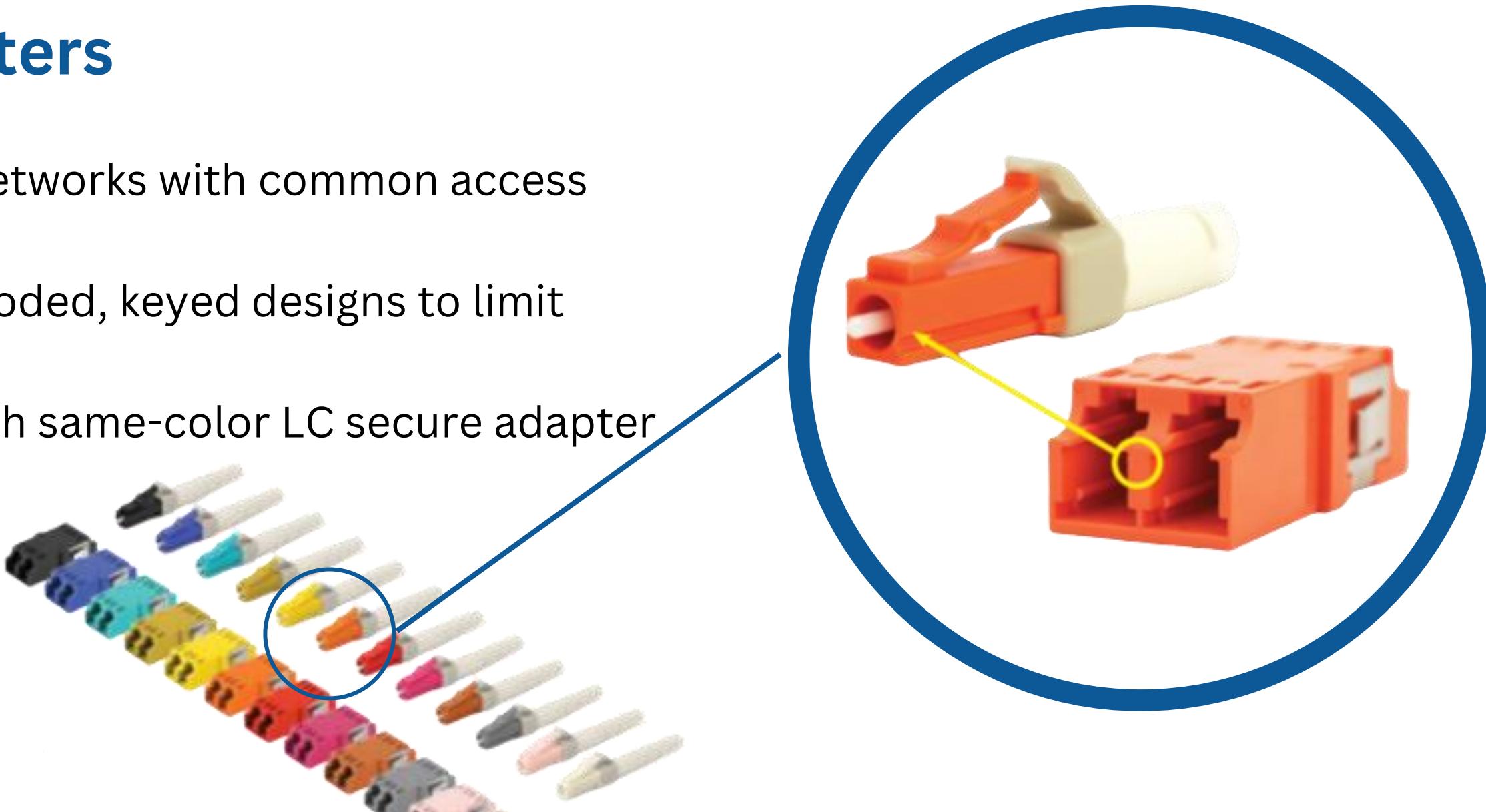
High Density Fiber Optic Solutions

- Compact, space-saving design and high-density frame modular solution
- Minimum downtime
- Easy maintenance and fast upgrading
- Plug and play connectors
- Flexible solution to meet customer requirements & lead time
- Ability to cascade up to 576 channels for maximum floor saving



LC Keyed connectors and adapters

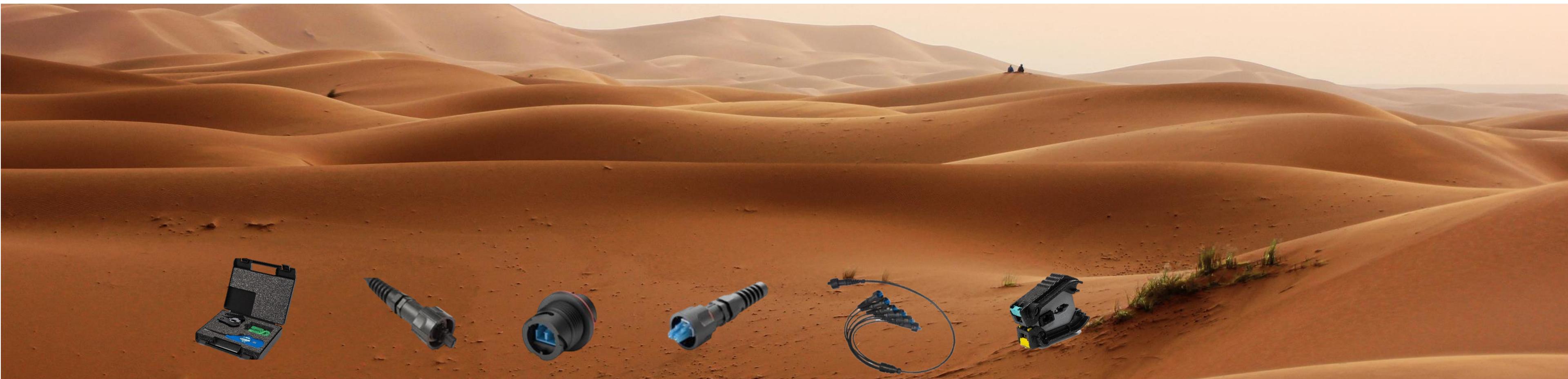
- prevent improper connection of separate networks with common access points
- LC SECURE products feature twelve color-coded, keyed designs to limit improper connections networks
- Each LC secure connector will mate only with same-color LC secure adapter



Defense and homeland security installations meet tough challenges resulting from extreme weather and environment conditions while keeping security and reliability as top priority.

IP Cable Assembly for:

- Water immersion and Dust protection for harsh environment
- Wide range of operational temperature for outside plant -40°C/+70°C



High Density Infrastructure ODF

★STAR400



Safe

Reduce required space in Data Center
up to 70%

Easy in use

Plug & Play – easy installation, management and
maintenance

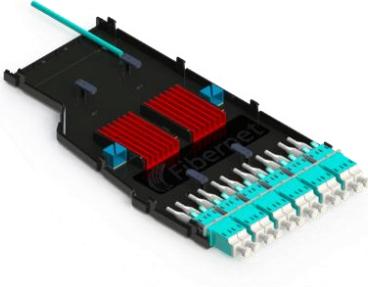
Reliable

Based 8 or 12 Fibers for 100% infrastructure efficiency
Meeting all international standards for data centers

Innovative and upgradable

Modular solution for easy migration up to 400G
No vendor locks

★STAR



Fibernet ODF (Optical Distribution Frame)

STAR 1U



STAR 2U



STAR 4U



	STAR 1U	STAR 2U	STAR 4U
8 or 12 based standard STAR solution	144F	288F	576F
STAR UHD – ultra high-density modules 8F MTP® based solution	192F	384F	768F
Next generation STAR UHD+ 12F MTP® based solution	432F	864F	1728F

Handles up to 48 2X8 MTP®-LC modules and 768 fibers or 12 arranged in 12 trays



Cat5e Cat6 Cat6a Cat7a Cat8

FCM-8 PANEL

FASTER

Class D 100MHz 1000Base-T 100m max run	Class E 250MHz 1000Base-T 100m	Class Ea 500 MHz 10GbE-T 100m	Class F or Fa 600 to 1000MHz 10GbE-T 100m	Class II Cat8.2 1600 to 2000MHz 25/40GbE-T 30m
---	---	--	--	---

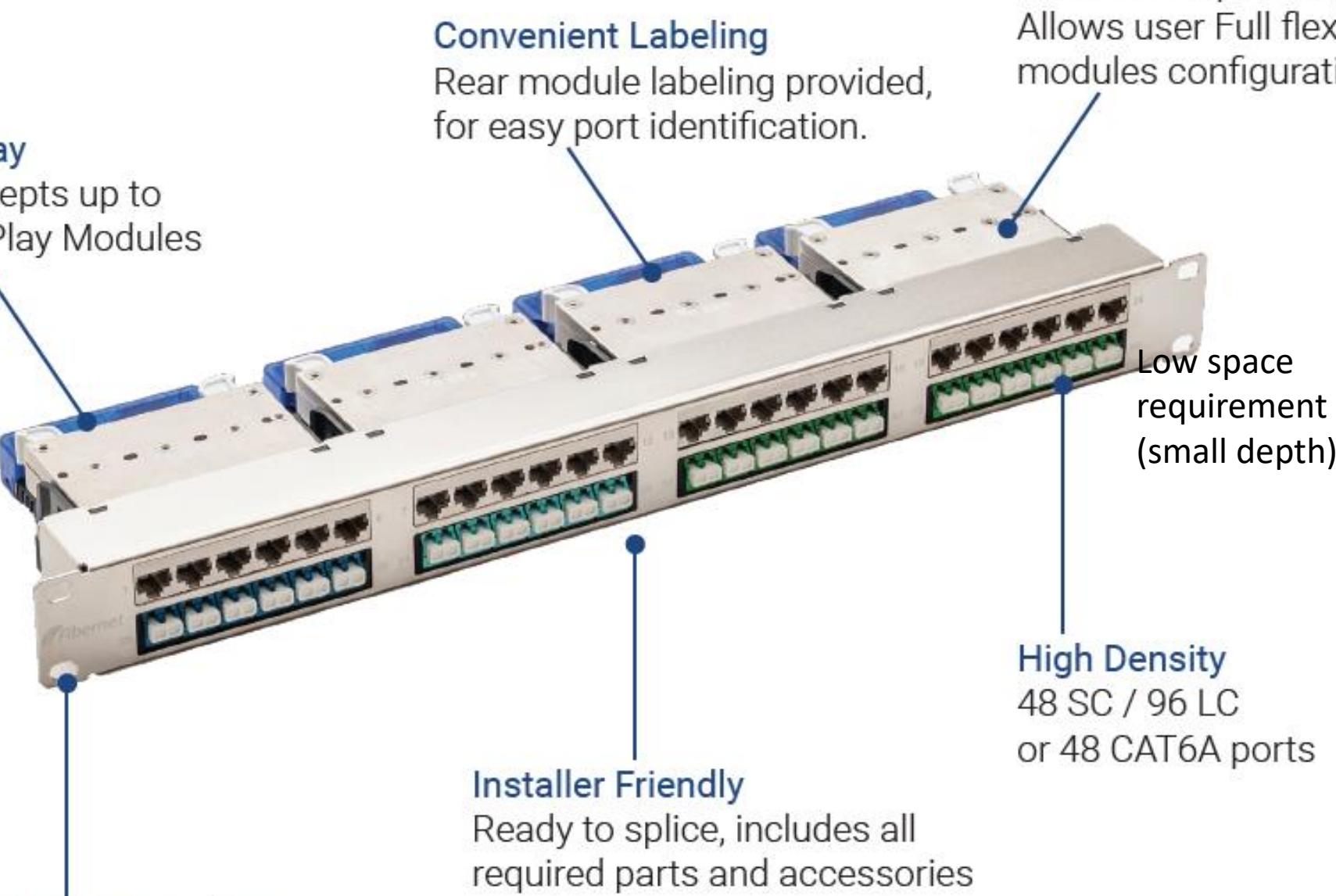


Compliance Statement



Plug & Play
Panel accepts up to 8 Plug & Play Modules

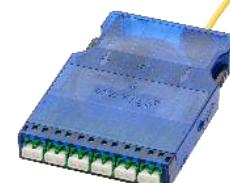
ANSI/EIA 310-D Compliant
Panels can be mounted directly on standard 19 inch rack or cabinet



Modular panel

Fiber & Copper modules mixed in the same panel.

Allows user Full flexibility in modules configuration



LC Module



FTP Module



FTP Pre-Terminated Cable



LC Module

Up to 96 Fibers

SC Module

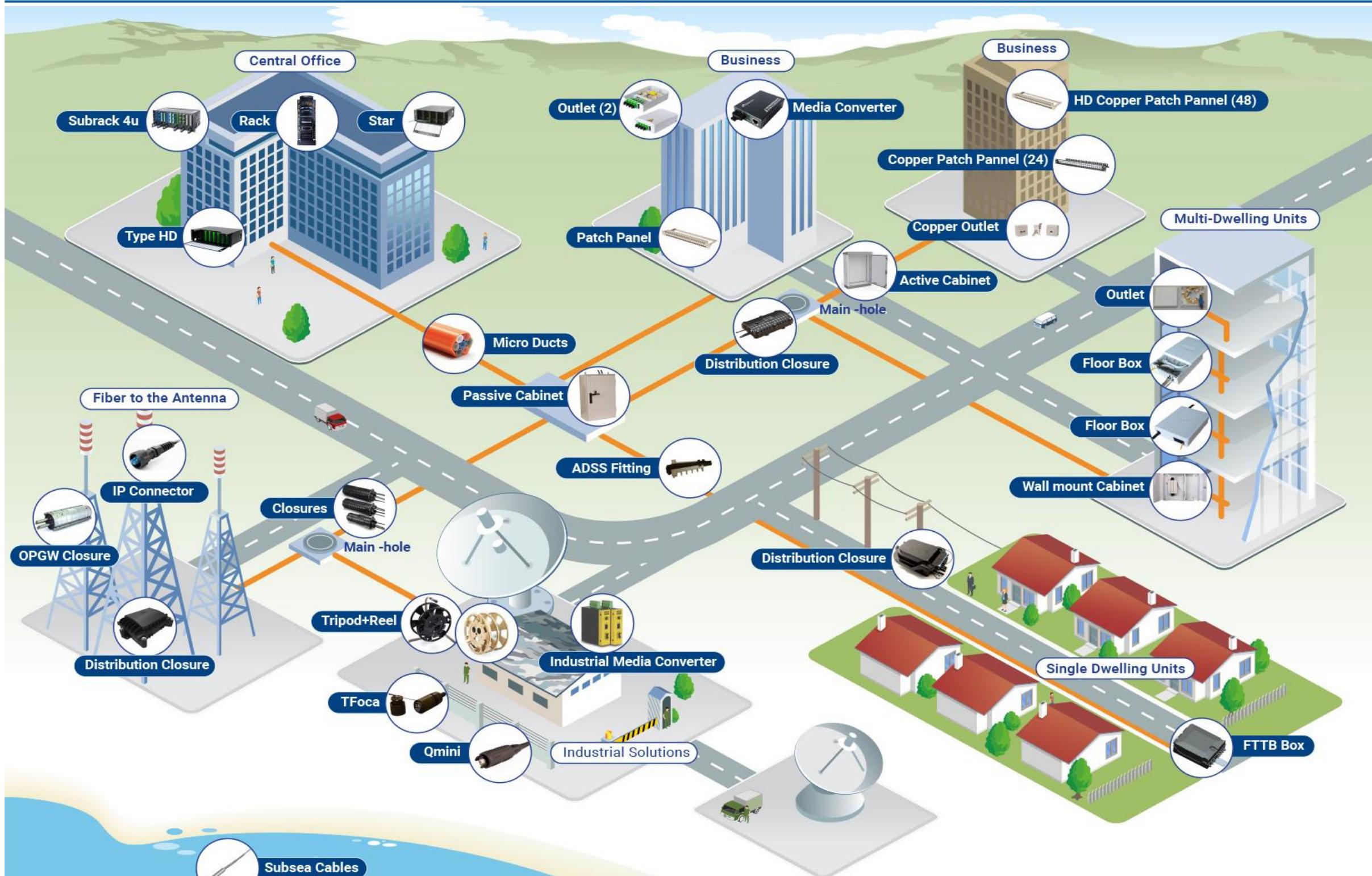
Up to 48 Fibers

Copper Module

Up to 48 Ports

- Enclosures for moisture and dust protection for harsh and industrial environments
- Cables: salt-mist proof, humidity proof, dust proof
- Broad temperature range (-40 to +85° C) is ideal for indoor or outdoor applications
- Cables for regular field installation for aerial, below ground and duct applications
- Reduced installation time by as much as **50 %** per network access point
- **100%** optically tested to ensure quality performance assemblies.
- Connectors are available in single mode and multi-mode styles to work with any common fiber type
- Dust caps are marked to help people who cannot distinguish between colors to operate





Computable with PON, G-PON and XG-PON and XSG-PON to provide telecommunication services like to Military bases, hotels, etc.

Passive Optical Network that connecting broadband services to endpoint users without active components on the way using a fibres and passive splitters

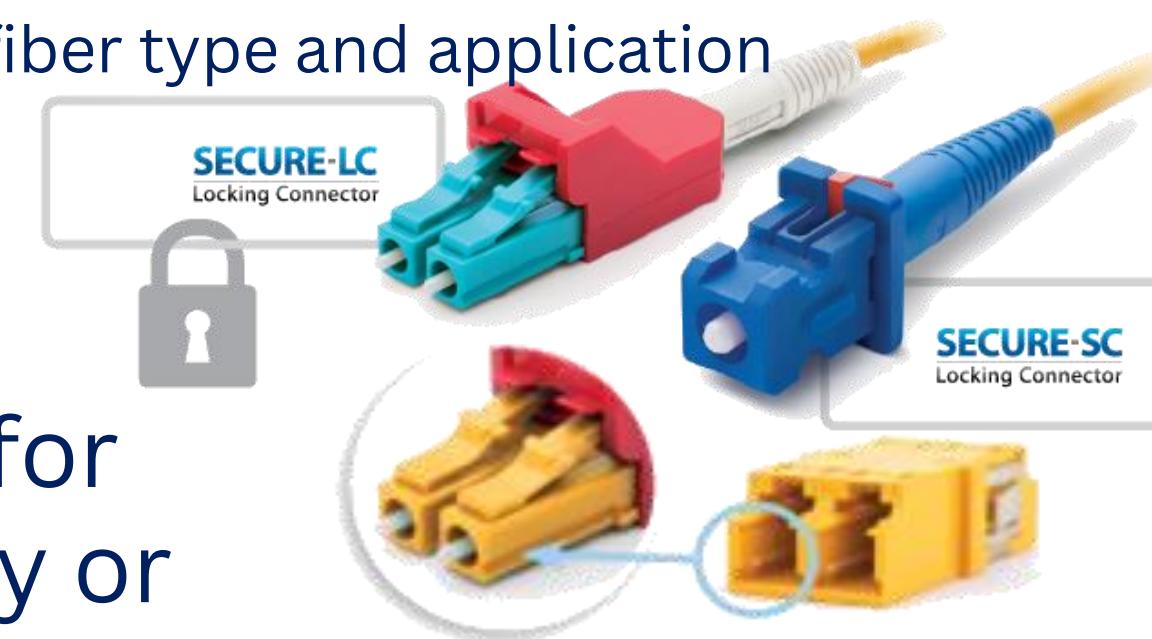
To manage all different types all building:

- Different types of FO cables for vertical deployment
- Different types of cables for Horizontal part
- All range of PLC splitters in different housing
- Floor distribution box : splices, Connectorized and more...
- Main building distribution boxes : splices , Connectorized
- Different types of Outlets

Rural telecom Fiber-to-the-cabinet



- Once Secure LC's are connected, they can only be removed by using the keyed extraction tool
- 4 key combinations with separate colors
- Plugs into standard LC Duplex & Quad adapters and transceiver interfaces
- Compact Uni-body Duplex format
- The connectors boot color indicate fiber type and application



SECURE-LC Keyed offers mechanical network security for organizations desiring to segregate networks for privacy or security concerns.



ZERO TRUST

- BYOD
- Remote Work
- Cloud Apps

Defense from Cyber threats caused by hardware innovation

- AV firmware protects against data leakage, malware, and network penetration
- Fibernet safeguards against physical breaches, information leaks, and theft
- Secure supply chain utilizing Fibernet's technologies



BLOCKER
Hermetically Secured KVM

PHYSICAL CYBER-SECURITY PRODUCTS

- SECURE KVM SOLUTIONS
- UNIDIRECTIONAL ISOLATORS
- SECURE EXTENDERS
- REMOTE MONITORING OF CRITICAL INFRASTRUCTURE

MY BLOCKER

HDMI PROTECTION



One-way data flow



Uncompromising
commitment to quality

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

High-resolution video support:
1080P/4K
Optical Galvanic separation
Separating units with power
supplies



- 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
- 1 Type C Connection instead of 3 or 4!



SECURE KVM OVER IP SOLUTION



- End-to-end AV/KVM over IP solution to easily deploy, configure and manage multiple remote sources and displays
- Reliable, high-performance AV/KVM over IP encoders and decoders for high-resolution AV and data distribution
- BLOCKER family with high-performance AV devices/KVMs & over IP encoders and decoders allows compliance with the highest security standards



KVMs for Pro AV & OVER IP MANAGEMENT SYSTEM

SuperVision - client-server, internet-based Pro AV management tool, supports any hardware, application, featured for system administration and configuration

SuperVision **BLOCKER**
Hermetically Secured KVM

Video Wall Management Tool



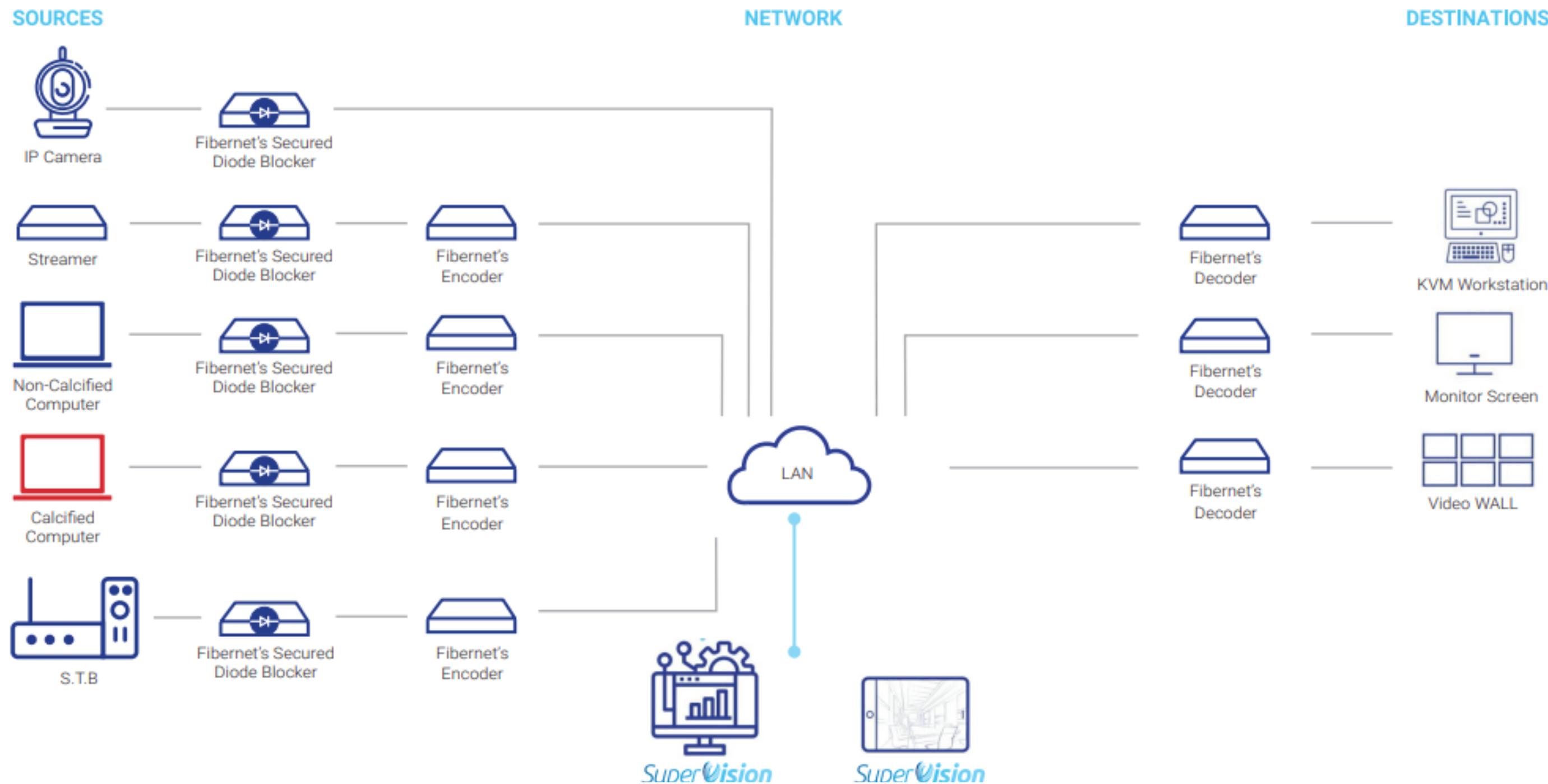
Super**Vision**

A complete solution for deploying resources, views, managing and controlling through a local network based on hardware and software:

Hardware: KVM and AV devices over LAN

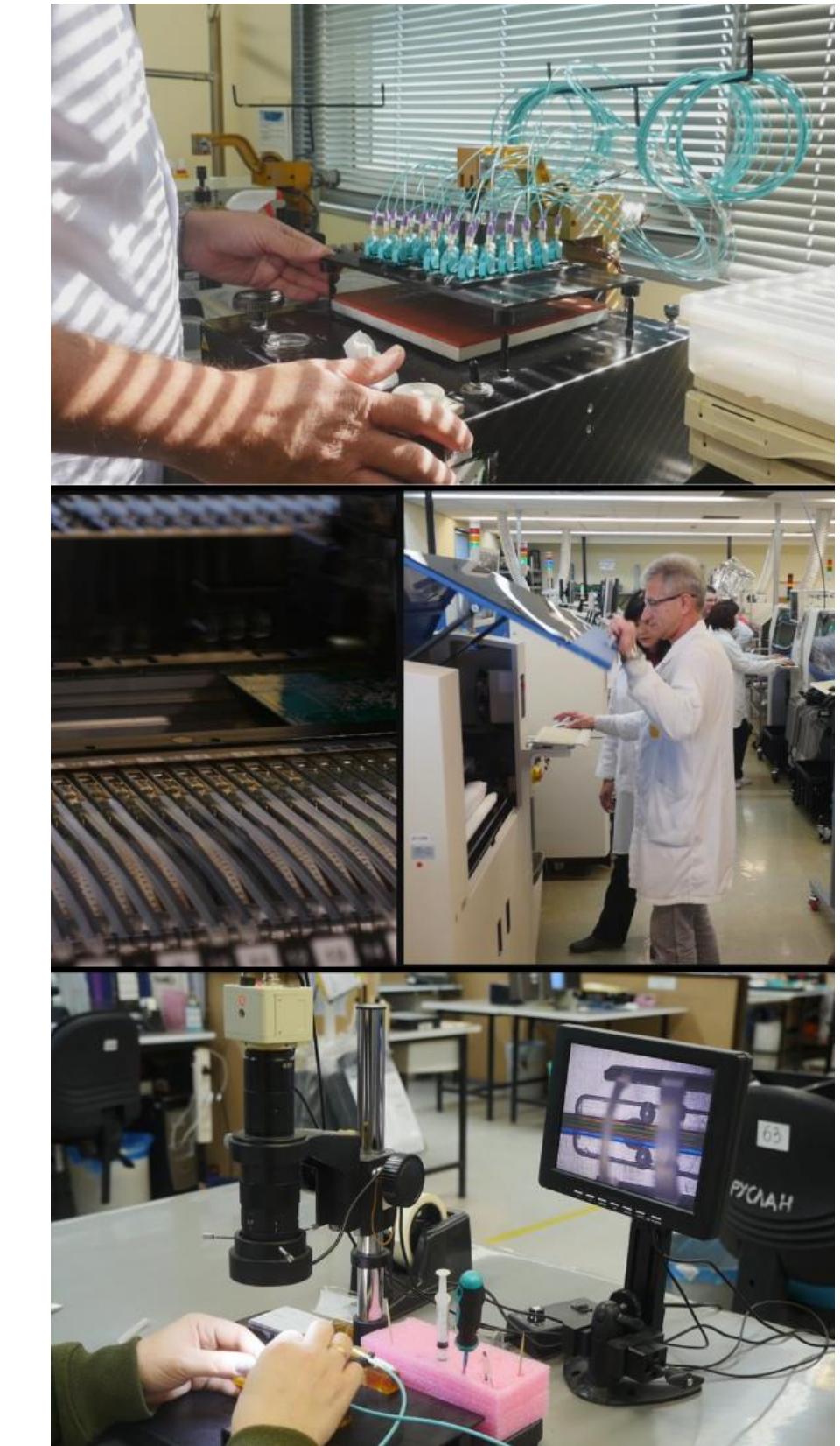
Software: *Super**Vision*** software for control and management

FULL SOLUTION DIAGRAM:



In-house R&D and Manufacturing

- ✓ In-house State-of-the-Art Machinery
- ✓ Quality, Flexibility, Enchainment & support
- ✓ Distributor and Integrators Training and Service
- ✓ X-Ray Inspection
- ✓ Cyber Security Expertise
- ✓ Automated Optical Inspection



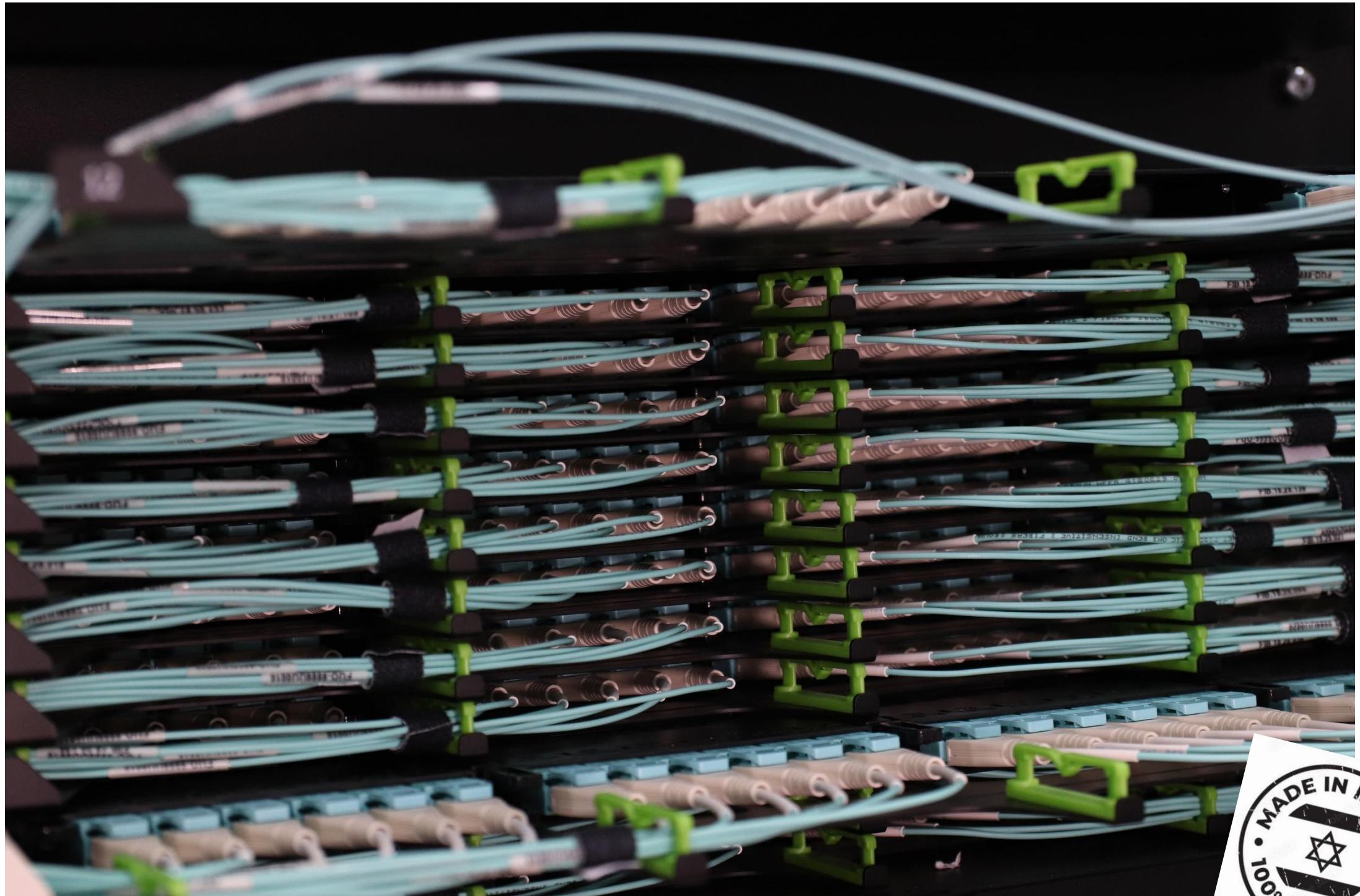
30 years of experience

One-stop-manufacturer

- customized solutions
- patented technology
- sustainable quality

Designed for quick and
easy installation

Adhering to
international standards





Contact us to learn more



Alexandra Ivano
alexandrai@fibernet.co.il

International Business Development



9 Hakidma Str., Yokneam Illit, Israel



+972502654968



www.fibernet-tech.com