NEWSLETTER

June 2025

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OPTOKON GROUP

OPTOKON Newsletter June 2025

Welcome to the latest edition of our newsletter! In this issue, we highlight our recent activities and global expansion efforts. We took part in the **Czech Signal Corps 2025 Conference** and **Modern Day Marine 2025 in Washington D.C.**, where we showcased our rugged solutions including the AIRDA/XARDA Display Assistant and the LMRS Radiation Detection System.

A major milestone was the launch of **OPTOKON North America**, marking our return to the U.S. market with local manufacturing, assembly, and calibration capabilities. We also shared our **strategic plans for future growth and innovation** across the defense and industrial sectors.

Stay connected for more updates—and as always, visit our website for the latest from OPTOKON.

OPTOKON Featured in Global Market Reports

We're proud to share that OPTOKON has been recognized in several recent global market reports, highlighting our continued impact in the fiber optic industry. These include reports on the **LC Adapter Market, Pre-Terminated Fiber Optic Distribution Frames, and ST Connectors**. Being listed among key global players reflects our long-standing commitment to quality, innovation, and reliability. As the demand for advanced fiber optic solutions grows worldwide, OPTOKON remains dedicated to supporting the evolving needs of telecommunications, data centers, and industrial networks across the globe.

In this issue

OPTOKON at the 2025 Signal Corps Conference

OPTOKON proudly participated in the **9th annual Signal Corps Conference**, held from June 4–5, 2025, at the Bečva training area near Lipník nad Bečvou. This important event continues to serve as a strategic platform for experts across defense, cybersecurity, and communications technology to collaborate and exchange ideas.

This year's conference highlighted the growing role of the Czech Armed Forces Signal Corps—not just as a technical unit, but as a strategic communication and cybersecurity force supporting both military operations and civil crisis management.

During the event, OPTOKON showcased our latest ruggedized technologies, including:

- Tactical networking and command systems
- Ruggedized displays and communication hardware
- High-performance fiber optic infrastructure
- Field-deployable radiation detection systems

We also took the opportunity to share **our vision for OPTOKON's future development**, outlining how we are expanding our capabilities to meet evolving defense and security challenges.

From increased digital integration to the development of next-generation rugged platforms, we're committed to remaining at the forefront of secure, field-ready technology.

The conference provided an excellent forum for meeting with representatives from the Czech Army, academia, and the private sector.

These conversations are key to strengthening partnerships and shaping future innovations.

Notable Exhibitions Attended

ASDA 2025, Zagreb, Croatia

OPTOKON Expands to the U.S. with Launch of OPTOKON North America

We're excited to announce that OPTOKON has officially returned to the North American market with the founding of **OPTOKON North America**, a new joint venture with **GARDANT GLOBAL Inc.**, headquartered in Florida. This milestone marks the fourth manufacturing country in the OPTOKON Group alongside the Czech Republic, Malaysia, and Turkey.

The launch took place during the **Modern Day Marine 2025 exhibition in Washington D.C.**, where we also showcased our ruggedized AIRDA/XARDA Display Assistant and the LMRS Radiation Detection System. During the event, our **General Director, Ing. Jiří Štefl, met with Mr. Paul J. Karch, now Director of OPTOKON North America**, to finalize the strategic roadmap and agree on the location for the new manufacturing hall, offices, and calibration lab in **Eustis, Florida**.

OPTOKON North America will soon offer:

- Local assembly of fiber optic and ruggedized solutions
- A certified calibration laboratory for optical testing equipment
- Dedicated sales and support operations for the North American market

As part of our visit, we also met with **Lake Technical College** to discuss future educational collaborations. We believe in building strong regional partnerships—not just in business, but in education as well.

Our return to the U.S. signals more than expansion—it reflects our commitment to long-term presence, strategic investment, and localized support. We're proud to be back. Stronger than ever.

OPTOKON at the Dawn of a New Era: Innovation, Expansion, and Future Technologies

OPTOKON is entering a pivotal phase of its strategic development. Against the backdrop of increasing global demand for our cutting-edge technologies and the growing interest in Tactical Technology for Harsh Environments, we continue to strengthen our position as a technological leader. The development and production of state-of-the-art equipment—such as the **Dual Navigation System, ruggedized displays, Light Mobile Computing Platform and Light Mobile Radiation Sensors** — demonstrate our unwavering commitment to delivering advanced and resilient solutions for the most demanding conditions. All of these products are designed and manufactured entirely in-house, utilizing the full capabilities of OPTOKON Group's development and production resources.

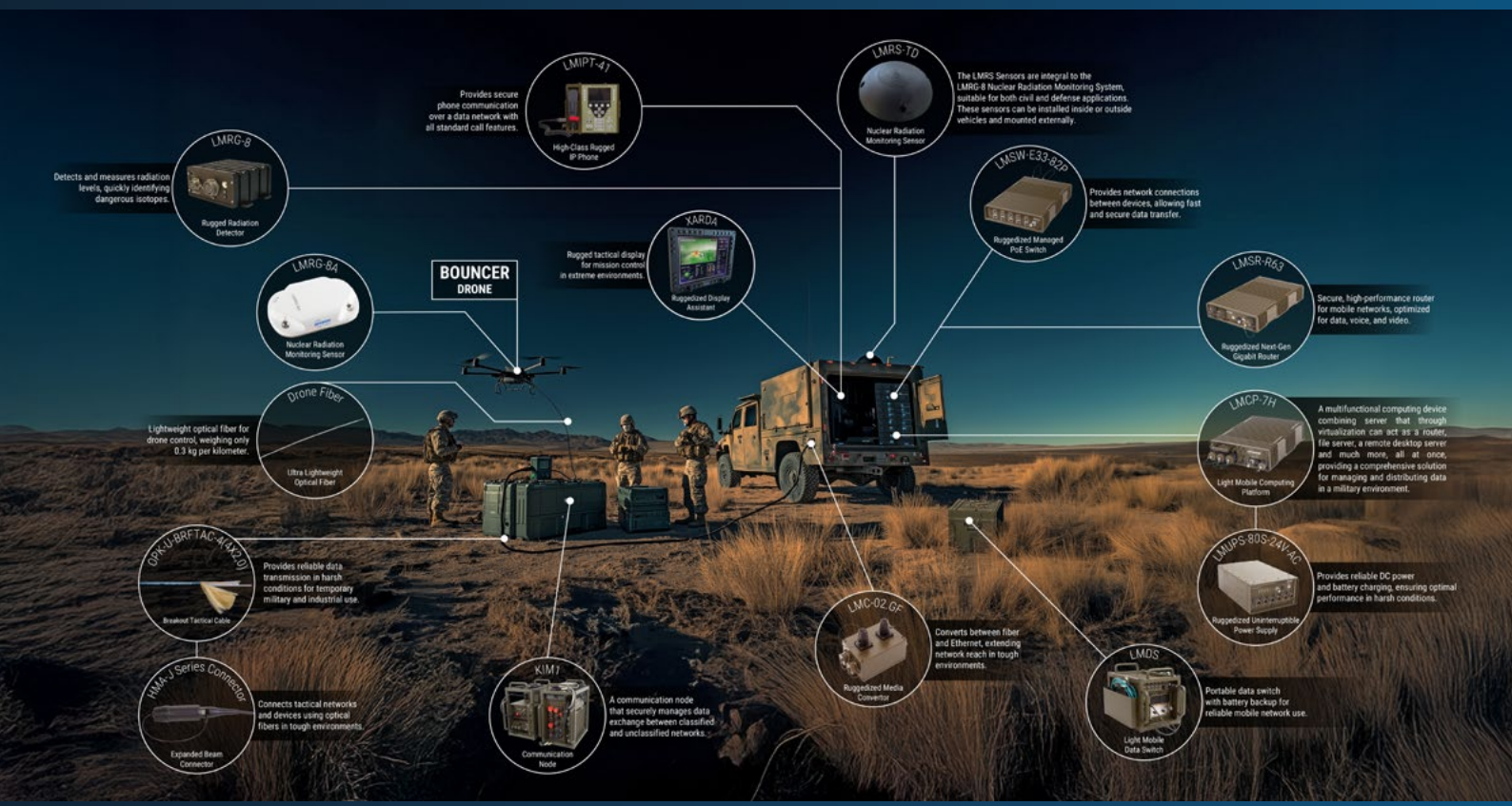
As the volume of projects increases, the product portfolio expands, and new generations of existing products emerge, the company has taken a decisive step: **expanding its production facilities in the heart of the Czech Republic**. As OPTOKON Group grows internationally and enhances its capabilities, the Headquarters of the OPTOKON Group is no exception—it is becoming a central pillar of this global expansion strategy.

This move follows the long-term vision of building a global production network, composed of ten specialized divisions spread across continents. A major milestone in this plan is the **construction of a new modern production building directly at the company's headquarters in Jihlava**, which will become a key hub for technological innovation within the entire group. The new facility will have three floors and functionally will be fully integrated with the existing infrastructure and dedicated primarily to the production of equipment for military and defense applications. The space will feature anti-static floors and advanced equipment for working with sensitive electronics. The architectural design of the façade ensures harmony with the surrounding buildings—matching both the color and structure of adjacent warehouses and the original main production hall.

However, this project is far more than a construction investment. It represents a strategic innovation initiative aimed at significantly strengthening research and development capacities and launching a new generation of high-value-added products. The expanded production will focus on components and systems for critical infrastructure, defense, aerospace, energy, and other fields requiring maximum resilience and reliability.

A new chapter will also open with the development of next-generation military devices. These systems meet strict requirements for durability under extreme conditions, interoperability, and deployment in demanding tactical scenarios. Among the key products in this segment are the following, with many more solutions being continuously developed as part of **OPTOKON's expanding portfolio:**

- **LMCP** – A communication platform with integrated switching combines computing power and network connectivity in one compact unit, enabling efficient data processing, routing, and management in mission-critical environments.
- **XARDA** – A ruggedized display is used in critical missions to ensure reliable visibility and control in extreme environmental conditions such as dust, water, vibration, and temperature fluctuations.
- **LMSW** – A switch used to connect multiple devices within a secure military or tactical network, enabling fast and reliable data exchange between systems, sensors, and communication units.
- **LMDS** – The mobile data switch enables secure, high-speed network connectivity and power backup in tactical environments, ensuring continuous communication and data flow for military operations in the field.
- **LMSR** – A tactical router is essential in critical military missions for providing fast, secure, and reliable connectivity for real-time data, communications, and command operations in harsh and mobile environments.
- **LMIPT** – Video IP phones on the Cisco platform enable secure, high-quality video and voice communication, enhancing real-time collaboration and situational awareness in tactical environments.
- **LMRS** – The gamma, beta and isotope radiation detecting sensor is used to detect and identify radioactive isotopes in real time, ensuring safety, situational awareness, and threat detection in military, security, and critical infrastructure operations.
- **LMAC** – Atomic clocks provide ultra-precise and stable time synchronization, critical for secure communications, navigation, and coordination in military and high-reliability systems.
- **LMSNS** – Dual satellite navigation system provides highly accurate vehicle positioning with spoofing detection, using independent dual receivers across GPS, Galileo, GLONASS, and BeiDou constellations—ideal for UAVs, UGVs, and tactical vehicles in critical missions.



An important part of this production expansion will also include **Expanded Beam HMA connector systems**, which are widely used in military and crisis scenarios due to their exceptional resistance to contamination, humidity, and mechanical stress.

Simultaneously, OPTOKON is advancing its commercial product lines, including a significant innovation in optical testing equipment. The upcoming **PM 800 and LS 800 testers** will build on the success of the popular **OFT 850N and OFT 920N** models, offering improved precision, expanded functionality, and a more modern interface.

The next project phase involves the **modernization and expansion of the testing and calibration laboratory**, which will enhance capacity, accuracy, and processing speed for all measurement and calibration activities. This upgrade will be crucial for maintaining the highest quality standards across all product lines.

A key element of the overall modernization will also be the acquisition of advanced **CNC technologies** for the precision machining of parts used in OPTOKON's core products.

This new production phase is not merely a response to current market demands. It is a clear demonstration that OPTOKON is looking ahead with a vision, the ability to turn challenges into opportunities, and a steadfast determination to be a global leader in tactical and optoelectronic technologies.

OPTOKON is moving forward. With precision, innovation, and technological power–because OPTOKON is a partner that speaks through results.

OPTOKON's Accredited Calibration Laboratory Expands Its Capabilities

At OPTOKON, we understand that accuracy, reliability, and trust are the foundations of mission-critical technology. That's why our **Accredited Calibration Laboratory** continues to grow and evolve, ensuring that our customers across the defense, industrial, telecom, and scientific sectors have access to world--class calibration services that meet the highest international standards.

We are proud to announce the latest expansion of our calibration capabilities: the introduction of **calibration services for radiation detection sensors**. This brand-new offering supports a growing demand from clients operating in environments where precise radiation measurement is essential—from military and homeland security to critical infrastructure and emergency response. These sensors are vital for monitoring gamma and beta radiation and identifying isotopes, and our calibration process ensures they function with peak accuracy under all conditions.

Each service is performed in compliance with strict accreditation guidelines and documented to ensure full traceability and confidence in measurement integrity. Our laboratory operates within a tightly controlled environment and is staffed by experienced professionals dedicated to maintaining the highest level of precision.

Whether for regular maintenance, compliance with regulatory standards, or performance validation, OPTOKON's Accredited Calibration Laboratory delivers consistent and dependable results. Our clients rely on us to help them stay compliant, reduce downtime, and maximize the operational readiness of their equipment—especially in applications where failure is not an option.

With the addition of radiation sensor calibration, we are not only expanding our service portfolio, but also reinforcing our commitment to supporting technological excellence across all the industries we serve.

Why do Telecom Operators choose OPTOKON GROUP?

Telecom operators around the world face ever-increasing demands for reliability, performance, and service continuity. Whether deploying fiber optic networks in dense urban areas or maintaining critical infrastructure in remote regions, every connection counts. At OPTOKON, we understand these challenges, and we've spent over t**hree decades designing solutions to meet them**.

From our headquarters in the Czech Republic to telecom networks across the globe, OPTOKON has become a name synonymous with precision, quality, and trust.

Engineered for Quality

At the core of our philosophy is a commitment to uncompromising quality. Every product is rigorously tested, designed to meet international standards, and built to last even in the harshest environments. Whether it's fiber optic cables, patch panels, or active components, our telecom-grade solutions are trusted by major network operators for a reason: **they work.**

Global Support, Local Expertise

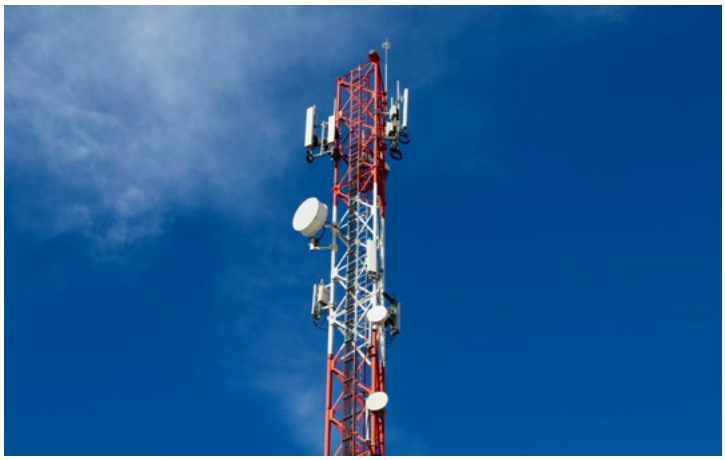
We believe technology alone isn't enough, service matters too. Our experienced team offers full lifecycle support, from consultation and installation to ongoing technical assistance. No matter where your network operates, OPTOKON experts are within reach, ready to support your deployment with **localized insight and fast response**.

OPTOKON Supervisor: Smarter Management Through Every Component

Managing thousands of components across a vast network infrastructure can be a challenge. That's why we developed the OPTOKON Supervisor system: a patented solution that uses **QR and matrix codes** to simplify product tracking and access to documentation. With just a quick scan, operators can instantly view test reports, datasheets, and maintenance records. Reducing paperwork and improving traceability across the board.

Value That Lasts

We understand that cost is always a factor. But OPTOKON delivers value where it truly matters — **long-term reliability, minimized downtime, and superior customer support**. Our products may not be the lowest in price, but their performance, lifespan, and support ecosystem more than justify the investment.



OPTOKON Group and Technical Education: International Collaboration Delivering Results

It has now been over a year since OPTOKON Group established a strategic partnership with technical schools and institutions both in the Czech Republic and abroad. A significant element of this initiative has been cooperation within the **Erasmus+ program**, which has already brought dozens of student groups to the Czech Republic as part of structured educational exchanges.

Through this collaboration, students from technical fields, **particularly from Turkey**, have participated in training programs held directly at OPTOKON Group's headquarters in Jihlava. These students were introduced to the company's advanced technologies and products and had the unique opportunity to actively take part in **selected manufacturing processes within various divisions**. For many of them, it was the first hands-on experience with real-world high-tech industrial applications.

A key international partner in this initiative is the **Turkish technical high school Automotive Industry Exporters' Union Vocational and Technical Anatolian High School**, located in Bursa, working closely to support its mission of connecting education with real-world industry experience. The cooperation with this school has been instrumental in building a bridge between **Turkish and Czech technical education and industry**. In parallel, we also collaborate on key innovation and research projects with leading Czech universities such as the **Czech Technical University in Prague (České vysoké učení technické v Praze – ČVUT)**, the **Brno University of Technology (Vysoké učení technické v Brně - VUT)**, and the **Polytechnic College of Jihlava (Vysoká škola polytechnická Jihlava – VŠPJ)**, where we are also proud to serve as a **strategic partner.**

As part of this growing collaboration, OPTOKON Group has welcomed students from a wide range of Turkish technical high schools over the past three years. In 2023, we hosted delegations from **Kartal Atalar Vocational and Technical Anatolian High School (Istanbul)** and **Mimar Izzet Baysal Vocational and Technical Anatolian High School (Bolu)**. In 2024, student groups arrived from **Atalar Vocational and Technical Anatolian High School (Istanbul), Eskişehir Atatürk Vocational and Technical Anatolian High School (Odunpazarı Eskişehir), Sepetcioğlu Vocational and Technical Anatolian High School and Özlem Burma Vocational** and **Technical Anatolian High School (Kastamonu)**.

In August 2025, we are preparing to welcome the next group of students from **Rize Provincial Directorate of National Education (Rize)** and again from **Eskişehir Atatürk Vocational and Technical Anatolian High School (Eskişehir).**

As part of the visit, students toured key academic partners like the **Secondary Technical School** and **Polytechnic College in Jihlava**, strengthening knowledge exchange and future cooperation.

Vysoká škola polytechnická Jihlava (VŠPJ)

Střední škola průmyslová Jihlava

The August 2025 program, led by **OptoNet Communication**, will again offer hands-on training, product demos, and involvement in real OPTOKON projects.

We firmly believe in the importance of guiding students and showing them where and how they can apply their knowledge and talents in real-world environments that match their interests. In the world of technology, success depends not only on education but also on a willingness to learn, take part in meaningful work, become part of a team that delivers complex system solutions and innovative products, and above all, ambition.

OPTOKON Group remains fully committed to creating o**pportunities for students from the Czech Republic and internationally**. We are taking concrete steps to provide young talent with space to grow, contribute, and shape the future of technology.

Our goal is not only to discover new potential but to support it, develop it, and provide a foundation for long-term growth. The future of technology begins with those who are just now stepping into it.

Eskişehir Atatürk Vocational and Technical Anatolian High School

AIRDA/XARDA: Ruggedized Display Assistant

The **AIRDA/XARDA is a robust 10-inch high-resolution display** specifically engineered for military vehicles, providing reliable visibility and intuitive control in the harshest operational environments. Designed for mission-critical applications in both **Air Force and Land Force operations**, this rugged display ensures durability, precision, and functionality where they matter most.

Featuring a **bright 1100 cd/m²** screen, the **AIRDA/XARDA** guarantees exceptional readability in all lighting conditions. Its intuitive user interface includes **28 backlit buttons and two rotary encoders**, enabling seamless and efficient operation even in extreme conditions. The display supports DVI and VGA video inputs, ensuring broad compatibility with various military systems and equipment.

Built for maximum resilience, the AIRDA/XARDA operates in extreme temperatures ranging from -55 °C to +85 °C and withstands operational altitudes from **-500 to 16,800 meters**. It is designed to perform reliably under acceleration forces from **-4g to +9g** and at speeds from 0 to 999 km/h. Weighing just 1.5 kg, it combines lightweight construction with rugged durability, making it an ideal solution for demanding military environments.

LMRS Ruggedized Radiation Detection Sensor

Expanding the OPTOKON Ruggedized Network: New Solutions on the Horizon

As we continue to push the boundaries of secure and resilient communication, OPTOKON is introducing **new additions to our Ruggedized Network portfolio.** Designed to thrive in demanding military and industrial environments, these upcoming products bring advanced capabilities in data storage, secure communication, and time synchronization.

LMNAS-4
Ruggedized Network-Attached Storage (NAS)

A high-security NAS system built to expand storage capacity for tactical operations. With strong encryption, fast data access, and military-grade durability, it ensures reliable and protected data management in mobile and stationary communication hubs.

LMAC-10 - ATOM Clock

A precision **time synchronization solution independent of satellite navigation**, providing continuous accuracy for communication and control systems. Essential for military operations where GPS jamming is a risk, ensuring flawless unit coordination and data integrity.

LMIPT-215
Ruggedized CISCO Video IP Phone

A **high-resolution video telephone** built to withstand harsh environments. Featuring a reinforced handset, a durable keypad, and a **large touchscreen**, it ensures clear and secure communication in field operations, tactical vehicles, and command centers.

LMAT-116N
Ruggedized Analogue phone

A **weatherproof, corrosion-resistant telephone** housed in a ruggedized aluminum alloy casing for durability in extreme conditions.

Compatible with analogue and SIP networks, it ensures dependable communication in military, industrial, and railway environments.

With these new additions, **OPTOKON strengthens its Ruggedized Network portfolio**, offering cutting-edge solutions for mission-critical operations.

OPTOKON Australia to Represent Czech Innovation at West Australia Mining Expo

We are pleased to share that OPTOKON Australia has been officially invited by the **Czech Embassy in Canberra** to participate in the upcoming **West Australia Mining Expo**, taking place in Perth on October 8–9, 2025.

The Czech Embassy has secured a national booth for the event, where 6–7 leading Czech companies will jointly showcase their technologies. **OPTOKON Australia has confirmed participation** and is proud to represent the OPTOKON Group at this important mining industry event.

This opportunity underscores our continued commitment to the Australian market and to expanding our presence in critical infrastructure and industrial sectors. We look forward to engaging with industry leaders and demonstrating how OPTOKON solutions can meet the demands of **modern mining operations**.

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- **Exclusive Offers tailored just for our subscribers.**
- **Exciting Announcements**
- **Our Quarterly Newsletter**

Be the first in line for innovation, offers, and updates. Join the OPTOKON community today and never miss out!

MOT-200 Mini OTDR series

- **USB Type-C** Port for data transmission
- Temperature Range: **10°C - 50°C** (operating); **-20°C - 70°C** (storage)
- 4.95-inch Capacitive **Touch Screen**
- One-Button Automatic Testing
- Built-in OLS, OPM, VFL, and RJ45 Cable Tester
- Stores 1,000+ Testing Results
- Professional Software for report generation

OPTOKON Group Expands Production: New Manufacturing Facility in Turkey

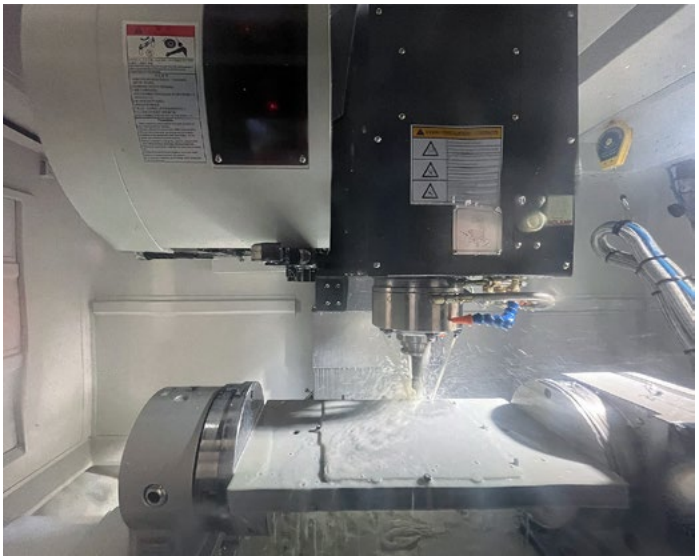
We are pleased to announce a significant milestone in the global growth of the OPTOKON Group – **the launch of a new manufacturing facility in Ankara, Turkey**. This strategic expansion greatly enhances the capabilities of our subsidiary, OPTOKON Elektronik, which specializes in the production of advanced electronic devices.

The new facility is located at:
OPTOKON Elektronik, Ltd. Ankara Office
Pınarbaşı Mahallesi, Beşiktaş Sokak NO:29/5,
Keçiören, Ankara, Turkey.

Production has already begun on modern **CNC machinery**, enabling us not only to support deliveries of precision components to the OPTOKON headquarters in the Czech Republic, but also to independently manufacture and assemble devices for distribution within the OPTOKON Group's global network. This new technological base will help shorten lead times, increase production flexibility, and streamline our supply chain operations.

Since its establishment in 2021, OPTOKON Elektronik has built a strong reputation in the **Turkish market**. The company has partnered with major industry players and taken part in large-scale projects both within and beyond Turkey. As a result, it continues to grow in importance within the global strategy of the OPTOKON Group.

This investment underscores OPTOKON's long-term commitment to innovation, quality, and the development of robust international manufacturing and distribution capabilities.



Brand New OPTOKON Prague Office

The Prague branch of OPTOKON has a long-standing history, having played an important role in supporting both the commercial and technical presence of the group in the capital city. In recent years, however, the office gradually decreased in both space and capacity, and the existing premises no longer met the growing demands for efficient operations, representativeness, and technical infrastructure.

In response to the dynamic development of the group and the increasing importance of application-oriented development activities in Prague, we decided in 2025 to **change our location and expand our office presence directly in the heart of the city**.
You can now find us at:

OPTOKON – Prague Office
Uruguayská 380/17
120 00 Vinohrady
Prague 2

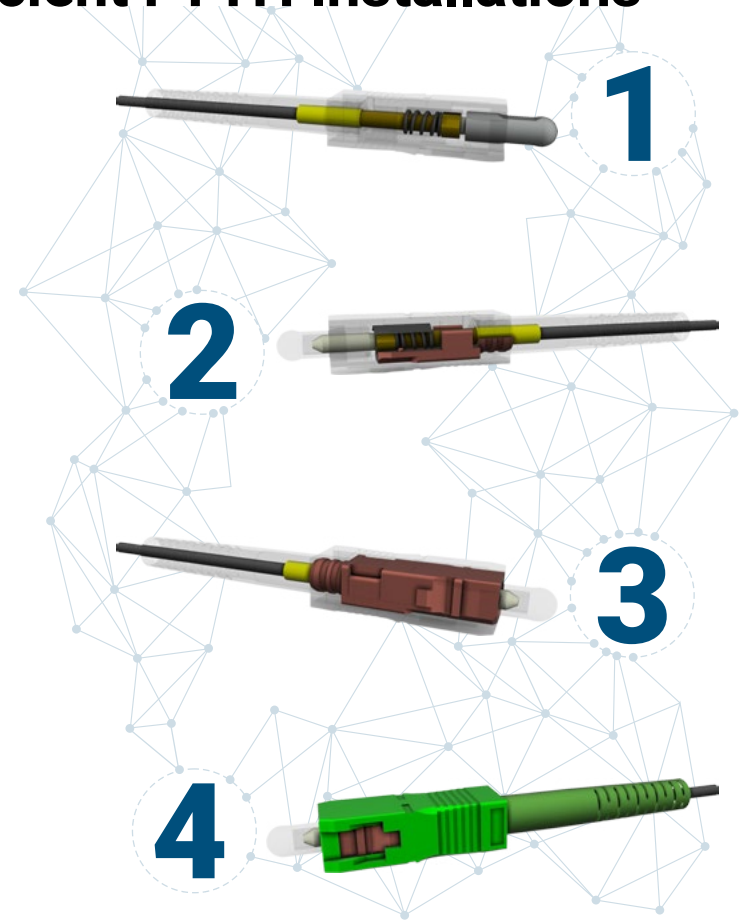
This step is not only a logistical improvement, but also a symbolic expression of our ambition to further develop commercial, technical, and partnership activities in Prague bringing us closer to our customers, partners, and key technology centers.

SCF Push Cable for Efficient FTTH Installations

The SCF Push Cable remains a reliable and efficient solution for **FTTH deployments**, offering a practical and time-saving method to connect subscribers directly to the network access terminal. This pre-terminated optical drop cable uses proven SC/APC connector technology, ensuring a secure and high-quality connection every time.

Designed for 4 mm indoor microtubes, the cable features a factory-polished ferrule and is delivered with a disassembled connector, allowing for simple final **assembly directly at the end-user site**. This approach reduces installation time and minimizes fiber handling in the field.

- Proven SC connector technology
- **Easy push-in design with factory-polished ferrule**
- Simplified on-site final assembly
- Ideal for efficient last-mile fiber deployment



OPTOKON’s 16-Channel Optical Laboratory Tester

OFT-4212-MCMU

Ruggedized LMSP Series: All-in-One Units for Air and Ground Platforms

OPTOKON’s LMSP-10.B and LMSP-12 units are compact, all-in-one rugged computing platforms designed for air and ground vehicle deployment. With 10-inch and 12.1-inch high-resolution displays respectively, both models combine a powerful embedded system with intuitive physical controls—featuring 28 backlit buttons and dual rotary encoders for ease of use in low visibility and high-vibration environments.

Supporting Linux or Windows OS and offering Ethernet connectivity, these systems are ideal for seamless integration into mission-critical control networks where durability, reliability, and interface flexibility are paramount. Engineered for extreme conditions, the LMSP series delivers dependable performance where it matters most.

Discover OPTOKON‘s HMA Connectors

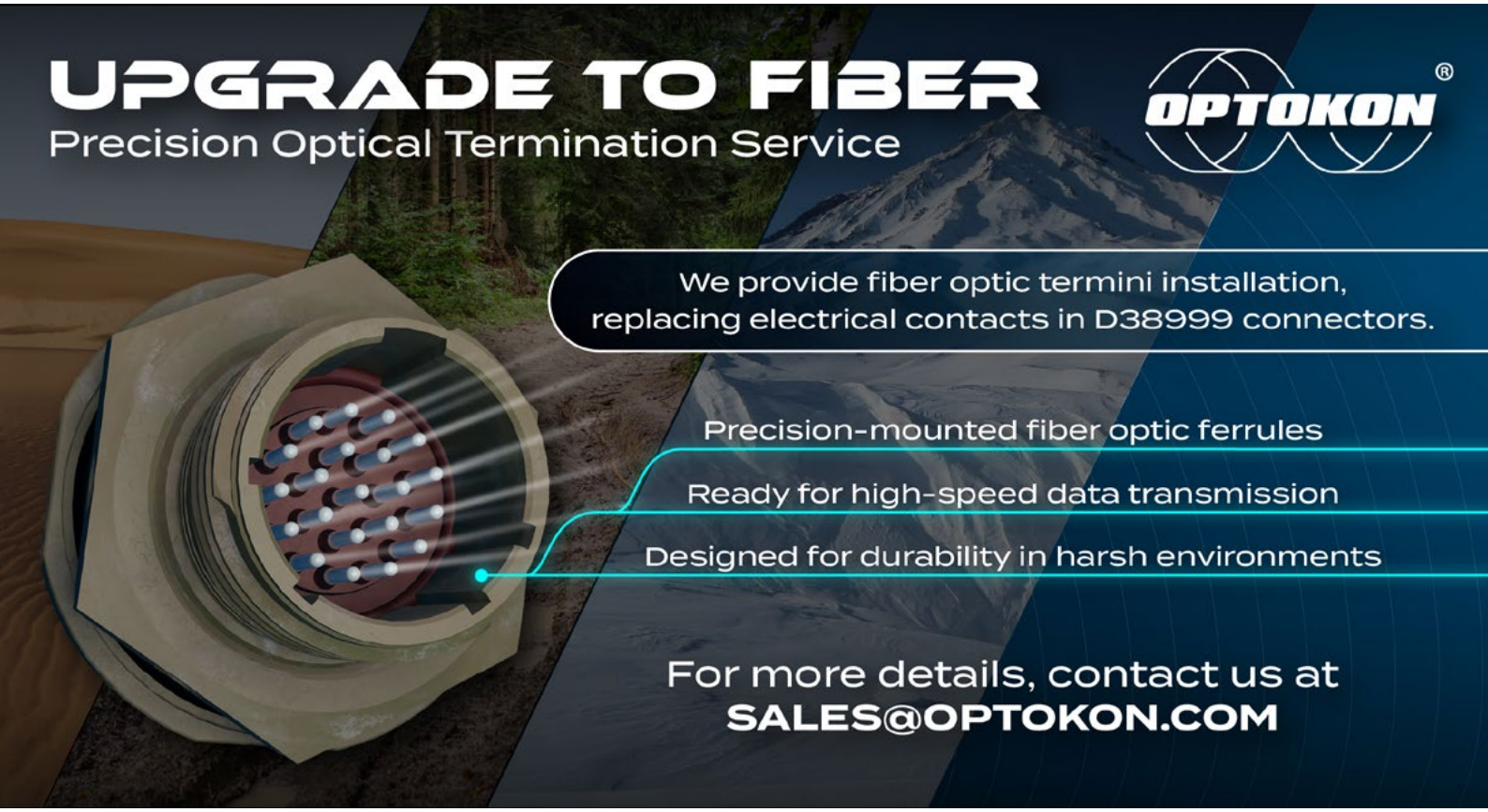
OPTOKON’s HMA connectors are built for reliable optical performance in the harshest environments. Designed for military, industrial, and broadcasting applications, they feature **expanded beam technology** for resistance to water, mud, oil, and dust. The hermaphroditic design allows fast, **tool-free deployment without the need for adapters**.

Whether used in tactical networks, petrochemical installations, or temporary communication lines, HMA connectors deliver low-loss, **high-performance singlemode or multimode links**. Durable, field-repairable, and easy to deploy, they’re the ideal choice for demanding conditions.

LMSR-C50 – 5G Router for Fast Field Data Transfer

The LMSR-C50 is a compact, high-speed 5G router designed for **fast and secure data transmission in environments with limited infrastructure**. Whether used in tactical deployments, mobile command units, or field operations, it ensures reliable connectivity where conventional networks fall short.

With **support for advanced encryption protocols** and seamless integration into tactical communication systems, the LMSR-C50 provides a secure and robust communication link. Its rugged design makes it ideal for critical missions, offering dependable performance even in demanding conditions.



PM-215E Pocket optical power meter/USB probe

The PM 215E optical power meter is a small, pocket size low cost item. The small size does not prevent the optical meter fulfilling all technical requirements for field equipment.The tester can be used as pocket power meter or as an USB probe, part of testing workstation. It can be placed within rack mount ODF's with the display on the top or on the side. The Li-Pol rechargeable battery ensures long term working time with a minimum life time of 2 years.The unit is able to store 100 measurements which can be uploaded to PC and managed with SmartProtocol software or Data Exporter.

- **Portable power meter or USB probe**
- **New faster hardware**
- **Option for Bluetooth or WIFI module**
- **Supports SM and MM fiber testing**
- **More than 20 working wavelengths**
- **Absolute and Relative power measurement**
- **Internal memory for up to 100 measurements**
- **Comes with its own application for setting, data transfer**
- **USB-C port for control, charging, and data transfer**

NEW DESIGN!

LS-215E

The LS-215E optical light source is a small size low cost item which fulfils all necessary technical field equipment requirements. Available in working wavelengths **850/1300 for multimode or 1310/1550 nm for single mode** applications or a **visible 650 nm laser source**. Batteries can be charged via a USB port or external AC/DC adaptor.

The versatile output port facilitates the simple integration of commonly used optical adapters (FC, SC, or ST) in telecommunications, data, and industrial networks. This output port is specifically designed for the connection of connectors with a PC polished finish.

- **Dual wavelength output**
- **Multimode and Single mode version**
- **Smallest size, light weight**
- **Changeable output adapters**
- **USB port: Battery charging**
- **Powered by Li-Pol type battery**
- **Battery status indicator**
- **10 min Auto Off**

NEW ON THE MARKET!

LMSW-E33-242M series

RUGGEDIZED 1/10 GIGABIT ETHERNET LAYER 2/3 MANAGED POE SWITCH
2X 1/10G WAN, FO HMA
24X LAN 10/100/1000BASE-T, POE

OPTOKON´s R&D
SOLUTION TECHNOLOGY INTEGRATOR OF
CISCO SYSTEMS

The OPTOKON® LMSW-E33 ruggedized switch based on Cisco® IE industry technology extends switching capabilities to mobile and embedded networks that operate in extreme environments. The flexible, compact form factor of the switch, powered by Cisco IOS® Software, provides highly secure data,voice, and video communications to stationary and mobile network nodes, making it ideal for use in harsh environmental conditions. 10G fiber optic ports are terminated with HMA "Expanded Beam" connectors, which allows interconnection of the nodes of tactical network by the help of cables with optical fibers. The used "Expanded Beam" technology preservers all advantages of signals transmission through the optical lines in field harsh environmental conditions. The switch supports a variety of management functions, including Web UI, MIB, SmartPort, SNMP, syslog, DHCP server, SPAN session. The switch is able to fit all the common 24 V DC power systems. The switch operates in wide operating temperature range -40 to +70°C. The switch can operate as standalone device or in addition the 19" brackets allow switch installation into 19" rack or 1/ 2 19" rack

LMDS Light Mobile Data Switch

The LMDS is a lightweight mobile data switch in a portable frame powered by a **built-in UPS**. Both devices meet the required IP rating. It can be powered from AC 230 V or DC 24 V mains. For batteries it is possible to monitor their status - transparent window on the cover.

The switch based on the proven **Cisco® ESS 3300 technology** in a ruggedized design meets all requirements for the establishment and operation of mobile data networks.

A 10 Ah battery type BB-2590U serves as a backup power supply. This assembly ensures compatibility on the contemporary battlefield and the unification of charging sources used, for example, in L3Harris FALCON II radios, III and FALCON IV.

- **Ruggedized design for setting up mobile networks**
- **Proven Cisco ESS 3300 technology**
- **2x WAN 1/10G**
- **8x LAN 10/100/1000Base-T(X) with PoE**
- **MRJ-resistant connectors**
- **Reliable, widely used batteries - 10 pcs**
- **Battery status indication**
- **Easy battery replacement during operation**
- **External Power Supply:**
  - **230 V AC from AC generator**
  - **24 V DC from the vehicle's on-board power supply**