

January 28, 2025



THE MONITOR

News from the Fiber Optic Sensing Association



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ASSOCIATION & MEMBER NEWS

Congratulations Dr. Etienne Rochat



Dr. Etienne Rochat, CTO, Electronic and Optical Sensing Solutions (EOSS), received the IEC 1906 Award in recognition of his "extraordinary efforts and leading role in the initiation and development of new international standards for distributed fibre optic sensors, in particular for "his highly efficient project management of IEC 61757-1-2 on strain measurement and" his "key technical contributions to IEC 61757-2-2 on temperature measurement and to IEC 61757-3-2 on distributed acoustic sensing." The IEC "thank you very much for your high-quality technical contributions to the IEC, and we hope that you will continue to contribute to similar work in the future!"

Welcome New FOSA Members Platinum Members





Silver Member



Bronze Member



Welcome New Platinum Member Novacomm

Novacomm provides network design solutions to small businesses and established companies. Novacomm helps your company meet your underlying business objectives while ensuring that all network elements are appropriate for end-user services and anticipated bandwidth demands. Novacomm establishes healthy practices for fiber network management ensuring that your networks are properly designed and well documented. This helps you identify vulnerabilities before they become serious issues and address those vulnerabilities immediately.

[More information](#)

Welcome New Platinum Member Sintela

Sintela Ltd delivers advanced distributed fiber optic sensing solutions for applications such as intrusion detection and strain monitoring, backed by over 20 years of experience and innovative technology like the Onyx product range. With a customer-focused approach and proven expertise in integrating new technology into operational concepts, Sintela enhances precision, efficiency, and situational awareness for diverse industries worldwide.

[More information](#)

Welcome New Silver Member Texas811

Texas811 is a leader in damage prevention, dedicated to protecting underground infrastructure and ensuring public safety. By utilizing fiber optic sensing technology, we analyze our 811 system database to identify excavation activity that has not been authorized through the 811 process. This allows us to proactively address unauthorized digging, reducing risks and enhancing the effectiveness of our damage prevention efforts.

[More information](#)

Welcome New Bronze Member Indeximate

Indeximate are a data science company dedicated to extracting valuable content from permanent DAS monitoring. Our primary focus is the health of subsea power cables. Our unique approach takes DAS data, ports it to our cloud enabling rapid analysis and storage of arbitrarily long datasets

[More information](#)

FOSA 2024 Member Awards

Details on FOSA webinars which will highlight these FOSA Award winners coming soon



FOSA Project Award Winner: Electronic and Optical Sensing Solutions

Long distance DTS measurement for Offshore Wind

Electronic and Optical Sensing Solutions (EOSS), a new brand of Prysmian resulting from the merge of Prysmian Electronics and Omnisens, with 25 years tradition and expertise in the field of distributed fibre sensing, was recognized for constantly innovating and pushing back the DFOS distance and performance boundaries. The EOSS Project Award includes Cluster Westlich Adlergrund in the Baltic Sea, Hornsea 1 windfarm offshore UK, and the Crete-Peloponnese interconnector.



FOSA Innovation Award Winner: Network Integrity Systems Interferometrically Enhanced Sensitivity Buried Zone Sensor

With the development of SENTINEL's buried sensor detection capability, Network Integrity Systems is redefining the possibilities for perimeter security and intrusion detection. Previously, detecting footsteps or approaching vehicles required complex and costly DFOS technologies. By combining the precision of fiber optic sensing with the simplicity and affordability of zone-based monitoring, Network Integrity Systems is making advanced detection technology accessible to a broader audience. This innovation not only enhances security for smaller perimeters but also helps bring fiber optic sensing into mainstream

use-benefiting both users and the industry as a whole.

FOSA Sensing in Damage Prevention Award: LUNA Integrating real time damage prevention alarms with the Texas 811 One Call database for CenterPoint Energy

Damages to buried infrastructure is a global problem that costs tens of billions per year, impacting utility operators and disrupting local people and businesses, through their internet, power or water supply. Fiber optic cables are already present in many utility corridors, waiting to be lit up for real-time damage prevention using DAS systems. LUNA has demonstrated the ability to detect right of way activity in real time and integrate this with the 811 One Call database, to verify whether this activity is permitted or not. By integrating with this ecosystem, operators can get live monitoring through their One Call service, which is a step-change in damage prevention practices and can help them significantly reduce their incidents. LUNA was delighted to work with Texas 811 and CenterPoint on this project.



FOSA Sensing in Offshore Wind Award: AP Sensing Quantitative Depth of Burial State Method for Offshore Power Cable Monitoring

The award recognizes AP Sensing's groundbreaking approach to determining the quantitative depth of burial state for submarine cables, a crucial advancement for global cable operators. This novel method provides a continuous, real-time solution to accurately determine the burial depth of submarine power cables, without the need for knowledge of the ambient conditions and thermal parameters of the seabed. By identifying unburied cable spans early, operators can take preventative measures, protecting the cables from threats like fishing trawlers or anchors from passing vessels. AP Sensing's innovation significantly enhances the safety and reliability of submarine cable operations, providing substantial benefits to the industry.

FOSA Sensing in Telecom Award: Go!Foton Triplet Duality of DAS/P-OTDR/OPM" technology invention

The award recognizes a technology invention and its pending new product.

You can read more about the Awards on the [FOSA Awards page](#), including detailed submission information

Welcome to the 2025 FOSA Board of Directors

Newly elected FOSA Board members include:

- Kevin Boone, Director, FEBUS Optics
- Dr. David Z. Chen, CTO, Go!Foton
- Sergey Golubtsov, Head of Electronics and Optical Sensing Solutions (EOSS) at Prysmian North America
- Amanda Hetzel, Director of Business Operations and Marketing, Network Integrity

Systems

- Dr. Martin Strohbach, Director Software Solutions and AI R&D, AP Sensing GmbH
- JJ Williams, Global Commercial Director, Luna Innovations

Returning Board Members:

- Jon Beckman, Director Business Operations, Fiber & Access Solutions, VIAVI Solutions
- Paul Dickinson, Director of Business Development, Dura-Line
- Nilson Gabela, Global Market and Technology Development Manager, Corning
- Kyle Glaeser, Director of Emerging Networks, Underline Infrastructure
- Steven Koles, President & CEO, Hifi

Introducing the 2025 FOSA Leadership Team

- Chairman: Jon Beckman, VIAVI Solutions
- Vice Chairman: Nilson Gabela, Corning
- Treasurer: Steven Koles, Hifi
- Secretary: Amanda Hetzel, Network Integrity Systems
- Chairman Ex officio: Dr. Paul Dickinson, Dura-Line

FOSA Annual Member Meeting December 2024

The FOSA 2024 Annual Member Meeting was attended by members from nine different countries. Esteemed speakers included:



Dr. Brian Sheil, Director Centre for Smart Infrastructure and Construction (CSIC) and Laing O'Rourke Associate Professor, The University of Cambridge



Wright Frank, Chief, Renewable Energy Policy Group, Bureau of Ocean Energy Management



Julia Gerringer, Regional Policy Director, Oceanic Network



Georges Sassine, Vice President for Large-Scale Renewables, New York State Energy Research and Development Authority (NYSERDA)



G.T. Hollett, Director of Offshore Wind, Dominion Energy



Benjamin Dierker, Executive Director, The Alliance for Innovation and Infrastructure (Aii)

The day also saw FOSA Awards given, Board of Directors election held, and Committee updates provided.

**FOSA 2025 Mid-year Member Meeting June 3 & 4
University of California, Berkeley USA
Registration opening soon**



FOSA is delighted to announce its 2025 Mid-Year Meeting will be hosted by Dr. Kenichi Soga at the University of California, Berkeley. An all-day in-person meeting will be held on June 3rd concluding with dinner in the evening. A half-day demo tour will be held at Richmond Field Station on June 4. More details will be provided to FOSA members on the February Monthly Member call. Speakers from the following areas are expected: water pipelines, utilities, Lawrence Berkeley National Labs, transportation, telecom and whale watching through DAS.

MEMBER NEWS

AP Sensing



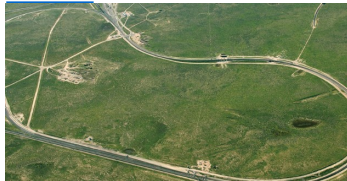
[AP Sensing Technology Deployment at World's First Underwater Roundabout](#)

AP Sensing News January 21, 2025

After more than three years of construction, a new undersea tunnel network with a roundabout recently opened in the North Atlantic Ocean. The Eysturoy tunnel is the world's second-longest underwater tunnel, connecting two of the Faroe Islands in a network that is about 11 kilometers long. The tunnel drastically reduces commute time for residents from 74 to 16 minutes.

AP Sensing's fiber optic Linear Heat Detection Series (N4387B) is one of several advanced technologies included in the tunnel in order to ensure its safety. Utilizing a passive fiber optic cable as a distributed temperature sensor, thousands of temperatures along the tunnel are measured in real-time, with hotspots or fires pinpointed with complete accuracy

[Click here to view video of the World's 'first' undersea roundabout is to open in the Faroe Islands](#)



[CRISI-funded project will help train rail tech professionals of the future](#)

Progressive Railroading December 9, 2024

hands-on training, learning sessions and data sharing at the FRA's Transportation Technology Center...ENSCO Inc....realistic railroad environment....will allow engineering students and researchers to work alongside industry partners



[These undersea tunnels connect remote islands halfway between Iceland and Scotland](#)

CNN December 6, 2024

In the Faroe Islands, wild, unpredictable weather - fierce winds and rain, and thick fog that settles like a curtain - can sometimes make travel by car or ferry problematic. No wonder the Faroese love their tunnels. They've built 17 of them on land and four subsea - including the world's only subsea tunnel with a roundabout that's underwater....."These are our Eiffel Tower or Big Ben," says Teitur Samuelsen, CEO of Eystur-og Sandoyartunlar, the company operating the tunnels, "with people, especially tourists, driving through them just to see the art."

GIT
SECURITY
AWARD
2025
WINNER



LHD N45-Series

AP Sensing honored with a GIT Security Award 2025 in the "Fire Protection" category!
This prestigious recognition from a distinguished panel of experts, including

representatives from BHE, TÜV, VDMA, ZVEI, integrators, and end users, highlights AP Sensing's commitment to innovative and high-performance solutions....N45 LHD series fiber optic Linear Heat Detector stands out as one of the top innovations in safety and security, showcasing exceptional performance in fire protection.

Indeximate



[Indeximate growing quickly to secure future for subsea power cables with investment from Propeller Ventures](#)

Indeximate Blog January 27, 2025

Listen to what your cables are telling you...Indeximate is pleased to announce...first round of funding...from Boston based Propeller Ventures. This funding builds on Indeximate's commercial position and secures the cashflow to accelerate plans to transform the approach by which subsea cables are maintained, making failure a thing of the past.the delivery of "Sensing as a Service"

Chris Minto, Indeximate Director "In our search for an investment partner we were looking for a team that matches our own business objectives and ethical stance: a commitment to the oceans and a commitment to clean energy."

Luna Innovations

[Calgary researcher wins Mitacs Innovation Award for tailings dam monitoring technology](#)

Mining November 19, 2024

A University of Calgary researcher is on a mission to increase mine safety globally by developing an advanced monitoring system that allows mine operators to 'see' how tailings dams are performing before problems occur....being recognized for her work to develop a state-of-the-art monitoring solution that uses distributed acoustic sensing (DAS) technology....The technology turns industry-standard fibre optic cables into a series of highly sensitive sensors capable of detecting changes in strain, temperature and seismic disturbances in tailings dams, the earth-fill embankment dams used to store mining waste. Once installed, the cable sends information in real-time so geotechnical engineers can learn more about where and when problems are occurring.

NEC

[New Asian undersea cable ADC ready to operate, developer says](#)

Japan's NEC is the contractor of the project

ET Telecom December 19, 2024

A new undersea fiber-optic cable connecting Japan to Singapore with branches to other Asian countries is ready for operation

Network Integrity Systems



[Network Integrity Systems Wins 2024 FOSA Innovation Award for SENTINEL™ Fiber Optic Intrusion Detection System](#)

NIS Blog December 4, 2024

Network Integrity Systems (NIS), a leader in optical sensing technologies for network security, asset protection, and enhanced physical security, is honored to receive this year's Fiber Optic Sensing Association (FOSA) Innovation Award. The award recognizes NIS's groundbreaking development of buried detection capabilities in its SENTINEL™ Fiber Optic Intrusion Detection System, which sets a new standard for perimeter security, particularly for small perimeters. SENTINEL™ combines affordability with advanced capabilities, offering features previously accessible only through complex and expensive Distributed Fiber Optic Sensing (DFOS) systems.

"NIS's award-winning SENTINEL™ Gen 3 system demonstrates the company's commitment to innovation and its mission to deliver cutting-edge solutions that safeguard vital infrastructure while advancing the adoption of fiber optic sensing technologies", said Dave Cunningham, Chief Executive Officer at NIS. "We are very proud to be recognized by FOSA with this award".

Sensonic



[Sensonic opens Fiber Sensing Innovation Farm](#)

RailBusinessDaily November 26, 2024

Sensonic, a leader in fiber optic sensing technologies for railways, has announced the opening of its new fiber optic test facility for Distributed Acoustic Sensing (DAS) in the UK. This ground-breaking facility is designed to expedite the development and deployment of DAS monitoring applications specifically tailored for railways, providing unprecedented access to test and develop infrastructure monitoring solutions without the need for disruptive railway access....a dedicated environment for teams of researchers, engineers, and industry partners to grow, explore and refine DAS technologies to enhance railway safety, efficiency, and performance....Sensonic aims to foster innovation and collaboration within the railway sector....

"Today marks a significant milestone for Sensonic and hopefully the railway industry as a whole," said Shawn Phillips, MD of Sensonic in the UK. "Our new 'Innovation Farm' test facility not only streamlines the development process for new and existing DAS applications but also enable us to work closely with our partners and provides an environment to train teams



[Global Rail Security – Challenges and techniques for securing linear assets](#)

Sensonic webinar February 11, 2025

Sensonic will explore rail infrastructure security challenges and experiences around the globe....discover how fiber optic sensing can help plug some of the gaps in situational awareness and help you respond better to security threats.

[Kaynes Technology Acquires Austria's Sensonic to Enhance Railway Solutions Using AI](#)
Telcom Talk December 4, 2024

Kaynes Technology India Limited has acquired a...controlling stake in Austria-based company Sensonic GmbH....Ramesh Kunhikannan, Managing Director of Kaynes Technology, said, "Sensonic's cutting-edge applications align seamlessly with our vision of delivering transformative innovation that propels progress.

Sintela

[Sintela Awarded \\$35 Million Contract for Border Security Services by U.S. Government](#)
Border Security Report December 18, 2024

Sintela has been awarded a contract valued up to \$35 million over five years by U.S. Customs and Border Protection to provide annual support and logistics operations for the Linear Ground Detection System (LGDS). This advanced system, originally delivered by Sintela in 2020, plays a critical role in safeguarding the nation's borders.

"We are honored to continue our partnership with CBP in support of their vital border security mission," said Magnus McEwen-King, CEO of Sintela....Sintela's innovative approach to distributed fiber optic sensing continues to deliver the best technical performance and operational effectiveness for its customers and partners.

Texas811

[How Fiber Optic Sensing Works](#)

Fiber Optic lines within approximately 30 feet of an underground facility can detect and identify unique vibration signatures in the area, some of which represent excavation activity. Once excavation activity is detected, an alert is sent to Texas811.

University of California - Berkeley

[2024 United States Data Center Energy Usage Report](#)

Lawrence Berkeley National Laboratory December 2024

Energy Analysis & Environmental Impacts Division

Report to Congress

results presented here indicate that the electricity consumption of U.S. data centers is currently growing at an accelerating rate

VIAVI Solutions



[Enhancing Pipeline Monitoring with Fiber Optic Sensing Technology](#)

VIAVI Blog November 5, 2024

In the ever-evolving landscape of infrastructure management, ensuring the safety and integrity of pipelines is paramount. Fiber sensing technology has emerged as a game-changer in this domain, offering unparalleled capabilities for real-time monitoring and early detection of potential issues. It's become so useful that in many cases it has become mandatory to include fiber-sensing-based monitoring for new pipelines and even retrofitted to existing ones. One of the most significant advantages of fiber sensing technology is its ability to detect leaks at an early stage. And depending on what the pipeline is transporting, either Distributed Acoustic Sensing (DAS) or Distributed Temperature Sensing (DTS) or a mix of both is likely to be used.

Fiber Optic Sensing (FOS) News

Damage Prevention

[Finland cable breaches caused by construction, not crime, authorities say](#)

Reuters December 3, 2024

breach of two separate land-based fibre-optic internet cables was believed to have been caused by construction work, not a criminal act.

Geoscience

[Scientists use a fibre optic cable to study Arctic seafloor permafrost](#)

Mint December 18, 2024

Researchers are using an emerging technique that involves sending laser pulses down a fiber optic cable under the Arctic sea floor....Sandia National Laboratories are using an existing fiber optic cable...to study the conditions of the Arctic seafloor up to 20 miles from shore.

Offshore Wind

[Amazon invests in three new utility-scale wind farms in Greece](#)

CEEnergy News December 22, 2024

Amazon is investing in three new utility-scale wind farms in Greece, its largest renewable energy deal in the country to date.

[BOEM issues final federal permit for US Wind's 2-GW Maryland offshore wind project](#)

Utility Dive December 5, 2024

The wind farm will be a first for the state of Maryland and will help shore up the offshore wind supply chain, according to the Oceanic Network.

[BOEM Approves Construction and Operations Plan for Maryland Offshore Wind Project](#)

BOEM December 3, 2024

Project Could Power Over 718,000 Homes

[BOEM Identifies Environmental Measures for Wind Energy Development in the New York](#)

[Bight](#) Bureau of Ocean Energy Management December 2, 2024

Department of the Interior...approved more than 15 GW of clean energy from ten offshore wind projects, enough to power nearly 5.25 million homes.

[New England labor unions call for faster offshore wind buildout](#)

Canary Media November 26, 2024

A new report by a coalition of unions across Rhode Island, Connecticut, and Massachusetts calls for the states to raise their ambitions for offshore wind.

[Winds of Prosperity Report 2024](#)

[82 Foundations Laid in VA Offshore Wind Farm, Construction Paused for Right Whale Migration](#)

Chesapeake Bay Magazine November 19, 2024

the nation's largest offshore wind project construction is well underway in Virginia. Dominion Energy has announced the successful completion of their first monopile installation season for the 2.6-gigawatt Coastal Virginia Offshore Wind (CVOW) project. Installation of the gigantic monopile foundations began in May, and subsea cable installation (for bringing electrical current onshore) began in August.

Pipelines

[Trans Mountain Pipeline Technology](#)

Fibre Optic Technology

Trans Mountain has installed a fibre optic cable outside and along the newly installed pipeline and also a portion of the existing pipeline that can measure vibration, temperature and pipe movement, continuously and accurately....to react proactively to any potential threats to the pipeline.

Subsea Telecom

[US agency votes to launch review, update undersea telecommunications cable rules](#)

Reuters November 22, 2024

FCC is conducting its first major review since 2001

PREVIOUS FOSA WEBINARS

Distributed Fiber Optic Sensing Use Cases and Benefits for Electric Utilities Enhancing Grid Reliability, Resilience & Security - FOSA Technology Outreach Committee

What's the Killer App for Large-Scale Fiber Sensing Deployments? - FOSA Technology Outreach Committee

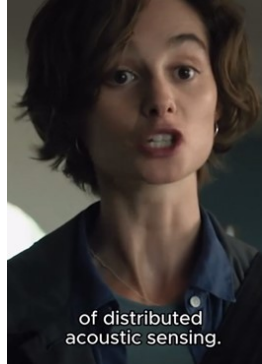
Find more FOSA webinar topics with on-demand viewing:



[YouTube.com/c/FiberOpticSensingAssociation](https://www.youtube.com/c/FiberOpticSensingAssociation)

INDUSTRY RELATED NEWS

DAS goes to Hollywood



[DAS mentioned in episode 4 of The Agency](#)

[Fiber Optic Seismology Experiment Interactive Map](#)

US Geological Survey, Department of the Interior December 18, 2024

[USGS FOS Map](#)

[Engineering Combined Sensing and Telecommunications Architectures for Tectonic and Infrastructure Characterization](#)

European Commission Start date 1 February 2025 End date 31 July 2028

ECSTATIC will develop novel interferometry and polarisation-based sensing approaches for vibration and acoustic fibre-optic sensing technologies

[Nokia and Aramco successfully achieve first 2.4Tbps optical transmission](#)

Telecom TV December 6, 2024

innovative fiber sensing capabilities that allow for proactive monitoring and maintenance

Nokia's PSE-6s includes innovative fiber sensing capabilities that allow for proactive monitoring and maintenance of Aramco's fiber

[As sabotage allegations swirl, NATO struggles to secure Baltic Sea](#)

Reuters December 4, 2024

push to step up the transatlantic defense alliance's protection of infrastructure in waters that carry 15% of global shipping traffic

Industry related grid

[Minnesota cooperative to deploy real-time grid monitoring solution along 90 miles of transmission lines](#)

Power Grid International January 14, 2025

grid monitoring is top of mind for electric distribution companies, including...a new solution that promises to assist with wildfire detection.

[Learning from the light: In class and in the field, civil engineers study long-standing Lake Superior sentinel](#)

College of Engineering University of Wisconsin-Madison January 8, 2025
monitoring the structural health of a 150-year-old Superior lighthouse.

Industry related infrastructure

[Mcity unveils digital twin, making its physical AV testing facility available for free in the virtual world](#)

Mcity UMich December 16, 2024

Mcity Test Facility...now available to the public

[Sparkle to use fibre optic cables to detect seismic shifts](#)

MobileEurope December 11, 2024

National Institute of Geophysics and Volcanology (INGV) to monitor earthquakes and tidal waves....Using fibre sensing techniques....using Distributed Acoustic Sensing

[Risk and reward: Fuhr takes sensing technology to the next frontier... again](#)

EuekAlert! December 2, 2024

pioneering work in deploying sensing systems....spearheaded a national grid timing and cybersecurity initiative

[Crack monitoring for municipal sewer pipes using DFOST](#)

IOP Conference Series: Earth and Environmental Science 1337 (2024) 012027

GeoShanghai 2024 – Volume 8

distributed fiber optic sensing technique (DFOST) provides an effective solution for long-term deformation monitoring of sewer pipelines under operation conditions

Industry related perimeter

[Jammu: Anti-drone system has thwarted Pak designs, says BSF IG](#)

Hindustan Times December 14, 2024

technological surveillance is almost on the entire Jammu border....underground sensors, fibre optical sensors...technologies to make “vulnerable stretches of the border foolproof”

Industry related pipelines

[Listening to Earth's Subsurface with Distributed Acoustic Sensing](#)

EOS January 8, 2025

A new book examines how fiber-optic cables installed in boreholes can monitor seismic activity, fluid flow, subsurface temperatures, and more.

[Aselsan Secures \\$106m Pipeline Security Deal](#)

Pipeline Technology Journal January 7, 2025

new agreement...to enhance security for oil and natural gas pipelines.

[Pinpointing pipeline occurrences in seconds, not hours](#)

South African Instrumentation & Control January 2025

Nigeria, an estimated 250 000 barrels of crude oil are stolen daily from pipelines...another global pipeline operator remained unaware of an oil leak for 17 hours

[NNPC scouts financiers for 5120 km pipeline](#)

World Pipelines November 27, 2024

scouting private financiers to overhaul dormant 5120 km of pipeline network

Industry related rail

[CEAT student excels as member of Mishra's research group](#)

OK State News December 10, 2024

objective is to propose a new monitoring system that can remove some of the limitations that railroad agencies have encountered....monitoring system using fiber optic sensors

[Revolutionizing railroad safety: A deep learning approach to remote condition monitoring](#)

EurekAlert! December 5, 2024

integration of DAS and fiber optic sensing technology provides extensive coverage of rail tracks....integrating DAS and fiber optic sensing

Industry related subsea telecom

[Sweden seizes ship after suspected Baltic Sea cable sabotage](#)

BBC January 27, 2025

Earlier this month, Nato launched its new Baltic Sentry mission

[Estonia navy to protect undersea power link after main cable damaged](#)

BBC December 27, 2024

Nato has said it will enhance its military presence in the Baltic Sea....damage to Estlink 2 is the third incident in little more than a month....two data cables were severed....2023...

ruptured an undersea gas pipeline between Finland and Estonia

[Security and Resilience: The Strategic Future of Subsea Cables discussion](#)

CSIS December 18, 2024

Subsea fiber-optic cables, carrying over 95% of international data, are critical to global ICT infrastructure....recent incidents...have raised concerns about their security and resilience....measures to protect these vital assets

[Safeguarding Subsea Cables](#) CSIS August 2024

[Optics11 signs agreement with Thales on fibre-optic towed array for RNLN Orka submarines](#)

Janes November 29, 2024

to develop and deliver a compact fibre-optic sensing towed array...will equip the new boats

[US agency votes to launch review, update undersea telecommunications cable rules](#)

Reuters November 21, 2024

FCC voted 5-0 on proposed updates to address the national security concerns over the global network...that handle more than 98% of international internet traffic.

[FCC to propose first undersea cable security overhaul since 2001](#)

NextGov November 20, 2024

At least 600 undersea cables stretch across the globe

Industry related misc.

[Stanford Geothermal Workshop February 2025](#)

[SoFiN Project Month 26](#)

SoFiN Newsletter January 24, 2025

[Exail broadens output with Leukos acquisition](#)

Optics January 9, 2025

[Quantum Sensor Measures Data Securely Over 50 Kilometers Without Entanglement](#)

Quantum Insider January 2, 2025

[Researchers Demonstrate Quantum Teleportation over Fiberoptic Cables Carrying Internet Traffic](#)

Sci New December 26, 2024

[NATO to create drone fleet to protect cables in Baltic and Mediterranean Seas](#)

on msn December 2024

[Fervo Energy Raises \\$255 Million to Deploy Geothermal Power Projects](#)

ESG today December 23, 2024

[Google's future data centers will be built next to solar and wind farms](#)

The Verge December 10, 2024

[Pushing Boundaries in Laser Technology with Narrow Linewidth Diodes](#)

AZO Optics December 6, 2024

[UK firm's cable protection solution enhances US-Canada renewable underwater energy link](#)

Offshore Energy December 2, 2024

[STL embeds Nvidia Edge AI into its Fibre Optics Sensing solution](#)

Fiber Connect Mena November 23, 2024

[Huawei Connect 2024 Paris: Huawei shares 3 optical industry trends at Global Optical Summit](#)

Huawei News November 18, 2024

[Metasurface-Enhanced Fiber-Optic Distributed Acoustic Sensing](#)

Journal of Lightwave Technology November 14, 2024

Join FOSA - the voice of fiber optic sensing -
raising awareness and driving adoption
Membership information

FOSA MEMBER COMPANIES





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