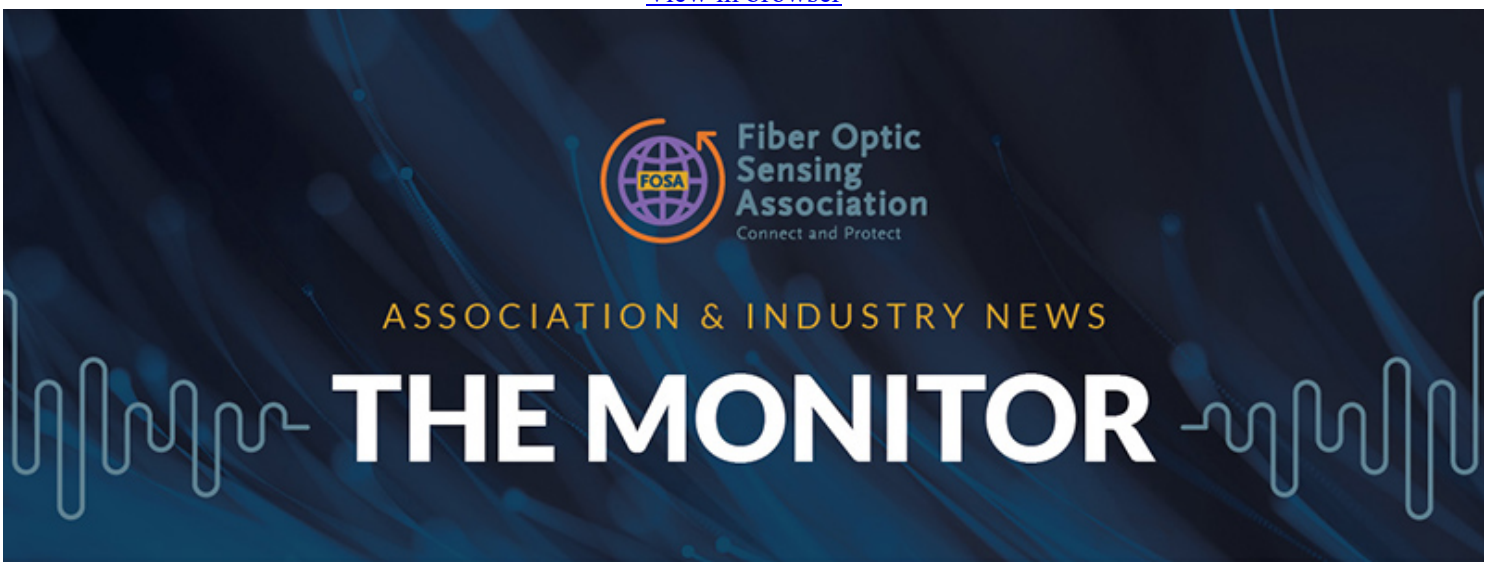
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Association & Member News

FOSA News

FOSA is pleased to welcome **Dane Langen**, PSP® to our board of directors. As the global segment lead for security and safety with LUNA Innovations' Sensing Business Unit, Dane brings extensive expertise in security and safety solutions, critical infrastructure and distributed fiber-optic sensing to his new role on the board. As co-chair of FOSA's Technology Outreach Committee, Dane has already been an essential part of FOSA's work, and we look forward to his contributions as a member of our leadership team.



Welcome to our newest member, **Clearfield, Inc.**!

Clearfield provides modular fiber management and connectivity solutions designed to accelerate deployments across North and South America. Their "fiber to anywhere" platform focuses on a labor-lite, cost-effective design methodology that serves wireline/wireless carriers, MSOs, and data centers, as well as utility, municipality, and military markets.


Fiber Optic
Sensing
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Connect and Protect
WELCOMES OUR
NEWEST MEMBER
CLEARFIELD



Member News

APSensing

[APSensing and Ampacimon join forces]

AP Sensing, February 2, 2026

AP Sensing and Ampacimon have launched a strategic collaboration to integrate Distributed Fiber Optic Sensing with Dynamic Line Rating technology for advanced overhead power line monitoring. By utilizing existing optical fiber within ground wires, the partnership provides real-time data on temperature and vibration to calculate wind conditions and grid capacity without the need for additional sensors. This joint effort aims to help utilities manage increasing electricity demand and improve grid resilience against external threats and weather-related hazards. Ultimately, the solution offers a smarter approach to optimizing transmission infrastructure as the industry navigates the ongoing energy transition.

Go!Foton

Technology Update: EKO® Enhances Physical Layer Performance Management

Go!Foton, March 10, 2026

The **EKO® optical sensing solution** has announced a significant update, offering expanded visibility and automated intelligence across the entire fiber optic physical layer. While traditional monitoring often focuses on active equipment or specific fibers, EKO provides a comprehensive view of the entire network to proactively mitigate operational risks and strengthen Service Level Agreement (SLA) positioning.

Indeximate

Indeximate enhances monitoring of SSEN's critical Orkney Subsea Power Cables, Boosting Network Resilience

Indeximate, January 26, 2026

Indeximate, the leading provider of fibre sensing-based subsea power cable health monitoring, today announced it has been supporting Scottish and Southern Electricity Networks (SSEN) Distribution to deliver enhanced subsea power cable monitoring of critical island interconnectors in Orkney.

Sensonic

Landslide Detection - Urgent Safety Advice - Railway-News

Railway-News, January 14, 2026

Sensonic addresses the urgent safety advice issued by RAIB and how their monitoring solutions address the issues identified as problematic.

VIAVI Solutions

VIAVI Launches Industry-Leading True-Phase DAS Fiber Sensing Interrogator with AI/ML at the Edge to Enable Real-Time Infrastructure Monitoring

March 10, 2026

VIAVI Solutions Inc. (VIAVI) (NASDAQ: VIAV) has announced the launch of a new next-generation fiber test head for distributed acoustic sensing (FTH-DAS) to enhance their NITROTM Fiber Sensing solution. The FTH-DAS is a true-phase DAS interrogator with embedded AI and machine learning (ML) engine. Designed for the network edge, the FTH-DAS interrogator enables multi-event detection and localization with real-time event classification across multiple fibers directly on the device.

Fiber Optic Sensing News

When Infrastructure Does More: Leveraging Fiber to Enhance Data Center Growth and Resilience

Aii, March 2026

Developed with the Alliance for Innovation and Infrastructure, this new paper examines how conduit, fiber, and distributed fiber optic sensing can strengthen both aging and newly built infrastructure. Co-authored by FOSA board member Paul Dickinson, the work provides clear, practical guidance for designing sensing ready infrastructure that delivers value far beyond broadband. Through case studies, policy recommendations, and real-world examples, the paper shows how multi use conduit and fiber can improve resilience, protect critical assets, and support the rapid growth of AI driven data centers, while enhancing safety and national competitiveness across the infrastructure ecosystem.

Measuring the Underground: Advancing a New Estimate for the Total Linear Mileage of Buried Infrastructure in the United States

Aii, March 2026

This report from the Alliance for Innovation and Infrastructure presents a new, data-driven estimate of the total linear mileage of buried infrastructure in the United States, replacing a decades-old, widely cited figure. Using a transparent modeling framework that combines aggregation, extrapolation, and historical growth analysis, it estimates that roughly 50 million miles of public and private utilities now lie underground. The findings underscore the importance of updated, credible data to improve safety, excavation practices, asset mapping, infrastructure planning, and resilience efforts nationwide.

OPINION: Ottawa is spending billions on defence while leaving our critical infrastructure undefended

The Wire Report, February 20, 2026

In a recent Wire Report op-ed, FOSA member Jason Presement argues that Canada's multi-billion dollar defense strategy is overlooking the physical vulnerability of the critical infrastructure that powers its military and economy. He advocates for repurposing the nation's extensive fiber networks as a "nervous system" using Distributed Acoustic Sensing (DAS) to detect physical threats—from accidental backhoe strikes to deliberate sabotage—in real time. Presement calls on the Canadian government to follow the lead of the U.K. and E.U. by mandating fiber-optic sensing as a sovereign security asset to protect vital power corridors, pipelines, and data links.

Partnership Among UW, Range, WYDOT Promises Safer Roads in Wyoming

University of Wyoming, February 18, 2026

The University of Wyoming, in partnership with the Wyoming Department of Transportation (WYDOT) and the fiber-optic carrier Range, has launched a pilot project to transform Wyoming highways into "smart roads." Led by Associate Professor Diksha Shukla, the initiative utilizes Distributed Acoustic Sensing (DAS) and AI-based computer vision to monitor traffic and weather in real time.

Upcoming Webinars

- **AP Sensing GmbH and BRUA Pipeline Project - March 26, 2026**

Recent FOSA Webinars

- **Advancing Integrity Monitoring for Utility Water Mains**
- **Fiber Optic Sensing for Smarter Utility Infrastructure: Enhancing Situational Awareness and Damage Prevention**

View More FOSA Webinars on Our YouTube Channel

Upcoming FOSA Events

- **3/20/2026** Technology Outreach Committee Call
- **4/2/2026** Monthly Member Call
- **4/3/2026** Membership Recruitment Committee Meeting
- **4/18/2026** Technology Committee Call
- **6/8–6/10/2025** Mid-year Meeting in Milan, hosted by EOSS / Prysmian

View FOSA's Event Calendar

Other Industry-Related News

Pipeline Safety

Illuminating New Possibilities in Infrastructure Monitoring: Lightera Introduces DataSens ...

Morningstar, January 16, 2026
Lightera has launched DataSens™ DryBlock Cable, a high-performance solution designed to integrate advanced Distributed Fiber Optic Sensing (DFOS) into standard infrastructure. Debuted at SPIE Photonics West 2026, the cable combines Lightera's specialized sensing fiber with a rugged, "craft-friendly" outside plant design to turn standard network deployments into intelligent monitoring systems.
ptc 2026: 21st Pipeline Technology Conference & Exhibition - Inspenet
Inspenet
The Pipeline Technology Conference (ptc 2026) returns for its 21st edition as Europe's most influential knowledge ecosystem for the global pipeline industry. From May 4-7, 2026, Berlin will be the venue where operators, technology providers and academics will define the role of pipelines in the energy infrastructure of the future.

Interconnector Cable
Exclusive: Riyadh wants to replace Israel with Syria for Greece fibre-optic cable route
Midde East Eye, February 19, 2026
Saudi Arabia is reportedly pushing to reroute the East to Med data Corridor (EMC), a major fiber-optic cable project, to pass through Syria instead of Israel. This strategic pivot reflects Riyadh's efforts to bolster the regional standing of Damascus following the recent fall of the Assad government while effectively isolating Israel amid stalled normalization talks and the ongoing conflict in Gaza.

Rail Monitoring
Researcher keeps trains safe with high-tech railroad monitoring
Virginia Tech News, January 27, 2026
Associate Professor Deb Mishra (Oklahoma State University) is leading research to modernize U.S. rail safety by replacing labor-intensive visual inspections with continuous, real-time fiber optic monitoring. By using light-based technology to "listen" to the rails, the system can instantly alert operators to track issues, categorized by a simple "green, yellow, or red" status to prevent derailments and lower maintenance costs.
Pakistan Railways to complete first phase of largest digitization drive by June 2026
Arab News, January 20, 2026
Pakistan Railways is set to complete the first phase of its Railway Advanced Infrastructure Network (RAIN) digitization program by June 2026, a self-funded modernization effort designed to improve safety and operational efficiency across its aging network. A cornerstone of the project is the installation of a fiber-optic network along 1,700 kilometers of the ML-1 main line, which will provide the high-speed data backbone necessary for real-time digital monitoring and centralized command and control.

Export Cable
Completion of Dieppe-Le Tréport offshore wind farm - Nexans
Nexans, February 3, 2026
Nexans completes the Dieppe–Le Tréport wind farm export cable system, enhancing France's energy security and supporting renewable goals.

Array Cable
From Poland to Netherlands: Hull of N-Sea's new cable layer launched (Gallery)
Offshore-Energy.biz, February 3, 2026
Commissioning is scheduled in June, when it will begin its first inter-array cable installation campaign on the 1.1 Dutch shipbuilder and designer Neptune Marine has launched the hull of the dual-fuel cable installation and repair vessel destined for compatriot N-Sea Group.

Offshore Wind
Formosa 4 Offshore Wind Farm, Taiwan - Power Technology
Power Technology, January 14, 2026
Formosa 4 is a major offshore wind project located off the coast of Miaoli County, Taiwan. Developed by Synera Renewable Energy (SRE), it holds the distinction of being the first large-scale offshore wind farm in Taiwan to be managed entirely by a domestic development team.

FOSA Member Companies


APSENSING.

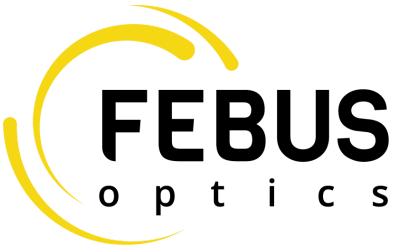

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