Directory of Fiber Optic Sensing Companies



Overview

Top companies for fibre optic sensing at VentureRadar with Innovation Scores, Core Health Signals and more.

Key Takeaways

Key fiber optic sensing companies include SLB, Halliburton, Luna Innovations, Tranzmeo, FiSens, AK-Sens, Prisma, and AiMiLight Sensors. Leading Companies and SpecializationsSLB (US): Offers distributed fiber optic sensors for temperature, pressure, and acoustic monitoring, primarily in oil & gas, power, and industrial sectors, with global operations in Europe, North America, and Asia. Halliburton (US): Provides integrated fiber optic sensing solutions for energy exploration, drilling, and production, including distributed temperature and acoustic sensors.

Luna Innovations Incorporated (US): Specializes in distributed fiber optic sensing technology and acquired Silixa (UK) to expand capabilities in DFOS. Tranzmeo: Integrates AI and fiber optic sensing for remote monitoring and security applications, with products like T-Connect OneView.

Fi

Sens Gmb

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H: Develops fiber Bragg grating (FBG) sensor chains and optical spectrometers for industrial and scientific applications. AK-Sens: Focuses on advanced monitoring solutions combining fiber optic sensing with artificial intelligence. Prisma: Offers Hyper-Scan Fiber-Sensing™ for long-range infrastructure monitoring, including pipelines, railways, and smart roads.

AiMiLight Sensors and Intelligent Systems Inc.: Provides distributed acoustic sensing and ultra-weak FBG solutions for industrial and infrastructure monitoring.

Additional Notable Manufacturers

Littelfuse, Inc.: Produces fiber optic sensors for industrial automation and object detection. Omega Engineering, Inc.: Supplies fiber optic sensors for temperature, strain, and pressure measurement. Advanced Energy Industries, Inc.: Offers fiber optic sensing solutions for precision monitoring in industrial processes.

Synaptec: Provides optical instrumentation to reduce power transmission and distribution costs. Ki3 Photonics: Develops quantum networking hardware integrated with fiber optic sensing.

Market Insights

The distributed fiber optic sensor (DFOS) market is growing rapidly, projected to reach USD 2. 6–3. 2 billion by 2030–2034, driven by applications in oil & gas, smart cities, renewable energy, and industrial automation.

Companies differentiate through innovation, integration with AI and analytics, and specialized applications, with both large multinational corporations and smaller niche players actively competing. This directory provides a starting point for exploring fiber optic sensing companies across various applications, from industrial monitoring to infrastructure and energy sectors.

Article Content

Top Companies in Distributed Fiber Optic Sensors 2034

Top companies for fibre optic sensing at VentureRadar with Innovation Scores, Core Health Signals and more. Including Optics11 BV, Echopoint Medical etc

Top Fibre optic sensing solutions companies | VentureRadar

Top companies for Fibre optic sensing solutions at VentureRadar with Innovation Scores, Core Health Signals and more. Including Echopoint Medical, Optics11 BV etc

Fiber-optic Sensors – Buyer''s Guide & Supplier List | RP Photonics

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57 suppliers for fiber-optic sensors are listed in the RP Photonics Buyer''s Guide, out of which 5 present their product descriptions and images. Both manufacturers and distributors can be registered.

Top Fiber-Optic Sensors Providers | Compare 21 Companies

Compare Fiber-Optic Sensors providers listed in the Wireless and RF Online Directory. Browse the latest products and services for your business, read company reviews, download white papers, and

18 Fiber Optic Sensor Manufacturers in 2026

This section provides an overview for fiber optic sensors as well as their applications and principles. Also, please take a look at the list of 18 fiber optic sensor manufacturers and their company rankings.

Fiber Optic Sensors | Suppliers | Photonics Buyers'' Guide | Photonics ...

Explore 72 top manufacturers and suppliers of Fiber Optic Sensors in our comprehensive photonics buyers'' guide. A fiber optic sensor is a device that uses optical fibers to detect and measure physical,

Fiber Optic Sensor Manufacturer: 3800+ Global Suppliers

Find 3800+ fiber optic sensor manufacturers for industrial, medical, and telecom applications. Need high-precision solutions? Connect with verified suppliers today!

Top Fiber Optic Sensors Market Companies

Explore top Fiber Optic Sensors market companies, rankings, detailed profiles, SWOT, regional insights, and future growth outlook through 2031.

Distributed Fiber Optic Sensing Companies And Suppliers | ...

FEBUS Optics brings a new generation of distributed fiber optic sensing based solutions to the market using DAS, DTS and DSS. Our patented technologies use state-of-the-art optical physics to provide

Openreach''s network to support acoustic sensing for leaky water ...

Working with Affinity Water and UK technology company Lightsonic, the pilot uses Distributed Acoustic Sensing (DAS) – which converts Openreach''s fibre optic cables into thousands

Digital Display Fiber Optic Sensors Market in China | Report

Digital Display Fiber Optic Sensors are tangible electronic components used to measure physical parameters—such as temperature, pressure, displacement, or liquid level—in environments

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18 Fiber Optic Sensor Manufacturers in 2026

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Fiber Optic Components Market Size, Share, Latest

Fiber Optic Components Market Market Size, Share & Trends According to Marketsandmarkets, the fiber optic components market size is projected to grow

Quantum Computing Companies In 2026, A Complete Directory

Quantum Computing Companies in 2026 A working directory of 170 quantum computing companies across hardware, software, security, sensing, components and services. It is drawn from

Top optical fiber sensing companies | VentureRadar

Top companies for optical fiber sensing at VentureRadar with Innovation Scores, Core Health Signals and more. Including Sparrow Quantum, Actuated Medical, Inc. etc

Top Fibre optic sensing solutions companies | VentureRadar

Lightsonic utilizes fiber optic sensing technology to provide real-time, high-resolution monitoring solutions for critical infrastructure. By leveraging existing fiber optic networks, the company offers

Distributed Fiber Optic Sensor Companies

SLB has a comprehensive product portfolio in the distributed fiber optic sensor market. The company also provides sensing solutions to support a range of verticals such as oil & gas, power, industrial,

Fiber Optic Sensor Companies

Fiber optic sensor companies manufacture sensors that use optical fibers for detecting changes in physical properties like temperature, pressure, and strain.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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