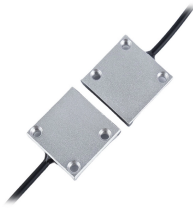


## Underground utility tunnel fiber optic sensing company



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HBK offers tunnel monitoring solutions that enable users to take full advantage of the benefits of using fiber Bragg sensors for tunnel monitoring. Fiber optic measurement systems are suited to both long ...



Our team brings decades of experience in all aspects of underground construction; including concrete coring, trenching, rock sawing, directional boring, fiber placement, and surface restoration.



AP Sensing, together with our partner Crony, completed a project in Serbia aimed at monitoring underground, urban HVAC power cables and detecting activities that ...



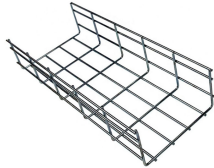
We add a high resolution image to the signals to detect any above ground indicators of underground utilities (e.g., manholes, hydrants, etc). This fusion creates a ...



This article explores a game-changing solution that leverages fiber optic cable infrastructure to provide real-time situational awareness and protect underground assets.



Discover monitoring solutions utilizing distributed fiber optic sensing technology and real-time applications for high-value assets.



This article explores a game-changing solution that leverages fiber optic cable infrastructure to provide real-time situational awareness and protect ...



However, monitoring underground pipelines is challenging due to the complex environment in which they are situated. Traditional sensors have limitations in all-round and real-time ...



We add a high resolution image to the signals to detect any above ground indicators of underground utilities (e.g., manholes, hydrants, etc). This fusion creates a synchronized, geolocated, multi-sensing ...



We develop a fiber-optic vibroacoustic dataset of tunnel disturbance events and embed vibroscape data into a common feature space capable of describing diverse tunnel threats.



Huawei OptiX Sensing offers optical fiber sensing solutions for various industries such as oil and gas, transportation, electric power, and government. It can be used for detecting pipelines, utility tunnels, ...



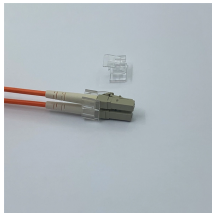
Opterro is a Silicon Valley-based technology company that delivers end-to-end, fiber-optic sensing solutions for a range of applications spanning data center, electric utilities, smart infrastructure, ...



In collaboration with a Canadian engineering firm, fiber optic sensors were embedded into concrete segments of a newly constructed underground tunnel in Toronto.



Intelligent Fiber Optics Systems Corporation, IFOS, of Santa Clara, California, develops and manufactures advanced optical sensing systems for the monitoring and control of high value...



Distributed fiber optic sensors (DFOSs) possess the capability to measure strain and temperature variations over long distances, demonstrating outstanding potential for monitoring ...

## Contact Us

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