

FOPTEC

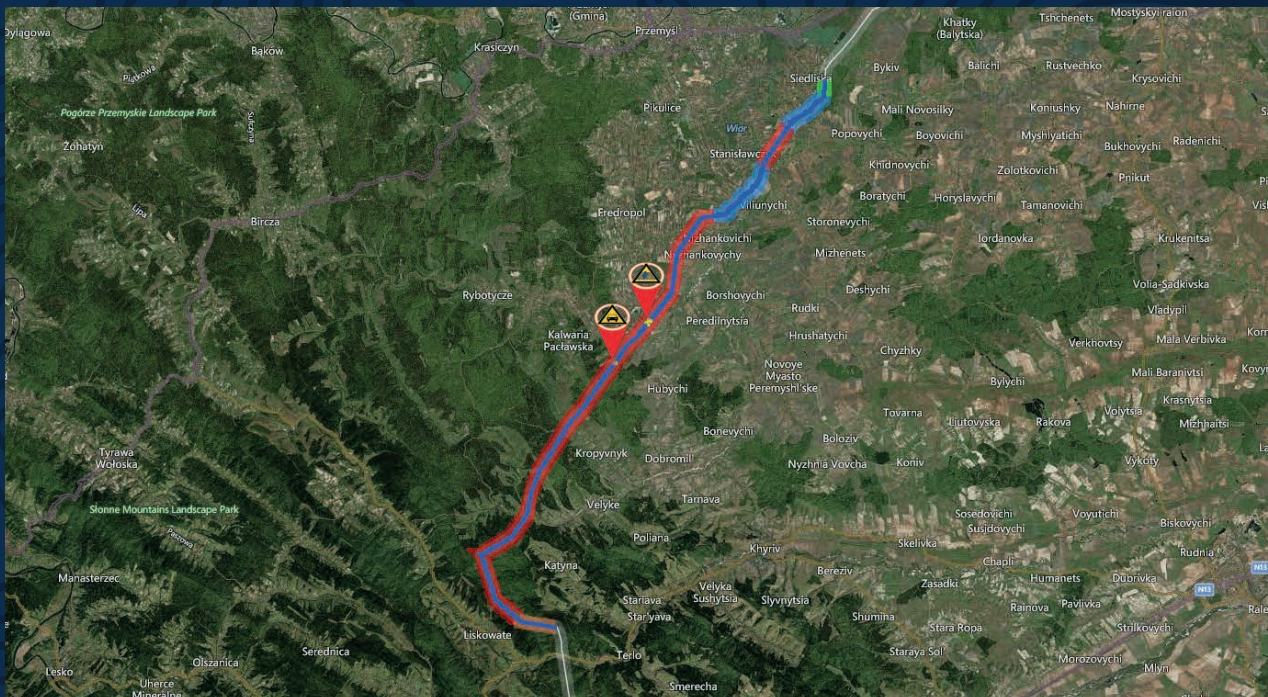
DISTRIBUTED VIBRATION SENSOR FOR BORDER PROTECTION

THE NEED

Protecting physical perimeters from unauthorized intrusions, smuggling or illegal movement of people is crucial to guarantee safety of country, people and their assets. External border and perimeter surveillance is usually a serious security challenge. The current border control systems requires highly labor-intense human involvement to monitor just a given section of the border at a time. Moreover, conventional systems suffer from several drawbacks, ranging from sight restrictions due to vegetation, terrain or weather to difficulties in event recognition resulting in large number of false alarms. Long distance precise monitoring with conventional systems generates high costs and processing of large amount of image data slows down the overall detection and response time.

To answer those challenges InPhoTech has developed FOPTEC - a distributed vibration measurement system allowing continuous monitoring of perimeter 24/7, in all weather conditions on distances up to 120 km with detection resolution down to 5 meters.

* Contact us for detailed information and/or specs adjustment.



INPHOTECH'S SOLUTION

InPhoTech presents innovative solution for border and perimeter monitoring based on optical fiber vibration measurement technology. FOPTec system developed by InPhoTech allows distributed vibration measurement with a single optical fiber capable of detecting intrusions along the entire fiber length with a very high resolution.

In contrast to traditional surveillance systems, the InPhoTech's FOPTec provides a real-time intrusion detection with resolution down to 5 meters, on a distance up to 120 km. The system provides instant precise information on location, intensity, and type of intrusion. Moreover, terrain or weather conditions do not affect system operation, what makes it a unique solution for monitoring perimeters in various environments (cities, forests, swamps, etc.) where traditional surveillance systems are facing limitations. FOPTec is available to cooperate with conventional monitoring systems, allowing quick and precise decisions in case of intrusion while directing attention and actions towards real threats.

FOPTec is supplied as a complete system including sensing element, data processing unit and graphical user interface. FOPTec can be integrated with other security systems. Event recognition is available as optional feature. InPhoTech provides user training as well as full technical support.



sensing fiber



QUICK AND EFFICIENT DETECTION OF
INTRUSIONS IS VITAL FOR SECURITY OF
STATE, PEOPLE AND ASSETS