

# Multi-sensor integration for security

*Scalable monitoring systems for physical security of large critical structures (such as data centers)*

## Technology

Leveraging a combination of techniques, the Fiber Optics Sensing solution of PhotonFirst can measure up to 2,000 sensors over hundreds or thousands of meters of a single optical fiber. The sensors can be scanned continuously with a high refresh rate.

## Potential Application

The Fiber Optics Sensing Solution can be used in robust and easily scalable monitoring systems for securing server cabinets, hatch covers, etc.

Permanent monitoring of additional parameters such as temperature, unwanted vibrations, etc. can also be done with Fiber Optic Sensing.

## Uniqueness

Fiber Optic Sensing Solution could provide a very effective solution for monitoring the physical security of large critical infrastructures such as data centers.

The Netherlands is a top location for data centers. In 2019, the Dutch multi-tenant data center market grew by 18% in MW, and 91% of data center operators expect their data center to grow in the next year.

