

CUSTOMER SUCCESS STORY

KEEPING PRODUCTS AND SHOPPERS SAFE WITH **OSID**

OVERVIEW

In April 2019, a brand new IKEA retail store opened its doors in Norfolk, Virginia. At 280,000 SQFT, the cavernous building consists of two merchandising floors plus a self-pick warehouse with 40 ft ceilings. The store features 42 rooms, four model home interiors, a 350-seat restaurant and a children's play area. The retail giant anticipates catering to 2,500-3,000 customers plus 250 employees per day.

The Challenge

IKEA experiences a high volume of customer traffic, making fire safety protection the utmost importance to them. Being a well-known chain, they wanted to maintain the aesthetics of the shopping experience and use a solution that minimized the look of the detector yet maintain superb protection for their patrons, all while watching costs. This posed a challenge for the customer as the store has a warehouse-style structure for its product self pick-up shelving and showroom shopping experience, making the installation and on-going maintenance of the alternative spot detection more tedious and labor intensive.

Secured Network Solutions Inc. (SNS), was on-boarded to install a comprehensive fire safety system. Secured Network Solutions chose the sophisticated yet cost-effective OSID is beam detectors along with E3 Series® fire alarm control panel by Gamewell, networked with four nodes and 420 smoke detectors.



PROJECT:

IKEA

END USER/LOCATION:

Norfolk, VA – USA

INDUSTRY:

Retail / Commercial

PARTNERS:

Secured Network Solutions (SNS)

SOLUTION:

OSID (10 detectors)

Gamewell-FCI Bi-Directional Amplifier

“We were able to help city officials better understand new code requirements. We are actively continuing to educate and bring awareness to latest developments in fire and life safety to all involved stakeholders.”

Jeff Hooker
Director of Fire and Safety
Secured Network Solutions

The Solution

Secured Network Solutions chose the OSID beam solution because the system can be configured to suit a range of detection spaces by selecting the number of Emitters and type of Imager. In the case of the stores, the ability to cover 90° angles was a substantial advantage along with the ability to battery powered units. A cost comparison was conducted between utilizing spot detectors versus OSID – they concluded that they needed 100 spot detectors to receive the same coverage as ten OSID detectors.

SNS also opted for the UL2524 listed Gamewell-FCI Bi-Directional Amplifier life safety system for its code compliancy, ease of installation and guaranteed radio signal coverage. The band selective design delivers reliable performance in even the most challenging environments, such as IKEA's highly shelved and stocked warehouse

About OSID



Open-area Smoke Imaging Detection (OSID) is an innovation in projected beam smoke detection technology. By using advanced dual wavelength projected beams and optical imaging technology for early warning smoke detection, OSID provides a low-cost, reliable and easy-to-install solution that overcomes typical beam detection issues such as false alarm incidents and alignment difficulties.

- Simple installation and commissioning - up to 70% time saving compared to traditional beams.
- Low maintenance, saving both time and expense.
- Long range up to 150 m (492 ft).
- High tolerance to vibrations, building movement and high airflow.
- Dramatically reduces false alarms.
- High resistance intruding objects such as dust, fogging, steam, reflections, sunlight, birds, insects and forklifts.
- The Imager requires only 20 cm (8 in) free space for installation.

About Installer



Secured Network Solutions, Inc. (SNS) designs, installs, tests and documents ISP/OSP Structured Cabling, Fire Alarm, Mass Notification, Security, Intelligent Transportation Systems, Audio/Visual, Distributed Antenna Systems, clocks and intercom/paging solutions.

SNS has also become a leader with strong past performance, lessons learned and the technical knowledge to implement these emerging technologies:

- Alarmed Protected Distribution Systems (PDS).
- Passive Optical Networks (PON).
- RFID/GIS Mapping Solutions.

To learn more about SNS, visit www.teamsns.com.

Quick Facts

Needs

- Fast and efficient installation to meet tight deadlines.
- Must integrate seamlessly with fire safety system.
- Minimal disruption of merchandise and inventory.

Benefits

- Easy to use and overall low cost of ownership.
- Expert installation and maintenance by a local life safety focused company.