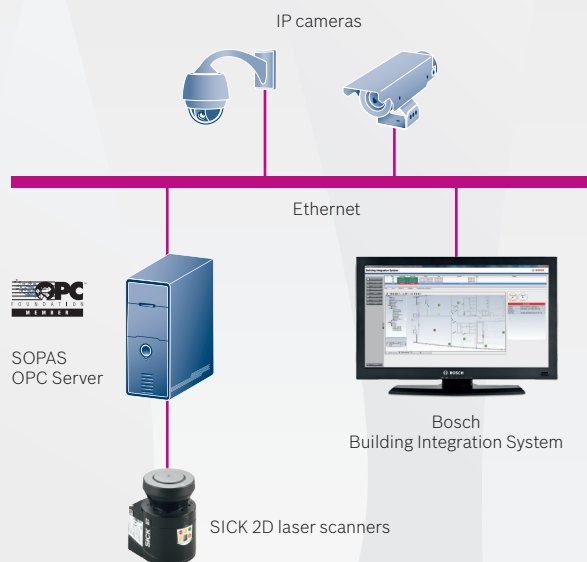# Integrated Security, Safety and Alarm Management Solution

Perimeter Security

Bosch Security Systems and SICK

IP cameras

Ethernet

SOPAS
OPC Server

Bosch
Building Integration System

SICK 2D laser scanners

▶ Bosch Building Integration System (BIS) combined with SICK laser scanners – a powerful perimeter detection solution for critical security projects
▶ Detect perimeter approaches with SICK 2D laser scanners
▶ Alarm and workflow management with BIS
▶ Trigger follow-up actions with BIS, e.g. camera into preposition and pop-up

SICK
Sensor Intelligence.

When a compound is used to house equipment related to primary business processes, such as manufacturing or IT equipment, an attempt to approach the compound can seriously jeopardize the continuity of the business. In those cases, motion detectors or cameras will not be enough to provide the reliable detection that is needed.

Bosch Security Systems has collaborated with SICK in several critical security projects connecting SICK 2D laser scanners to the Bosch Building Integration System (BIS). This unique combination allows operators of the security management platform to verify alarms generated by the laser scanner using cameras. If needed, a pre-position will be configured related to an alarm in a specific detection zone, which will reduce the response time of the operator on the incident and the amount of cameras needed to cover the compound.

Compatibility

SICK	Bosch Security Systems
SICK 2D laser scanners	Bosch Building Integration System v4.0 and newer

Datacenters
Perimeter breaches are a huge risk in datacenter environments, where unauthorized access to the site can have serious impact (e.g. downtime or data loss)

Museums
SICK 2D laser scanners can effectively secure the vecinity of expensive items in museums and trigger an alarm when unauthorized approaches are made

Critical infrastructures and industry
Production can never stop: reliable perimeter protection helps to prevent unauthorized access to a site and reduces the risk of downtime and security related threaths

Key features

Detection of unauthorized perimeter approaches
SICK 2D laser scanners are suitable for performing detection and ranging tasks on surfaces while operating with consistent reliability and accuracy – both indoors and outdoors.

Bosch BIS Alarm Management
Bosch's alarm management flagship BIS is triggered by the Sick 2D laser scanners and follow-up actions like camera preposition and/or camera popup can be defined.
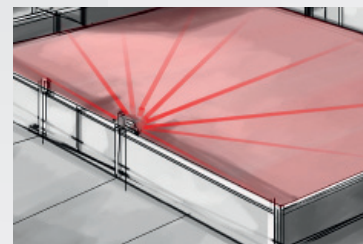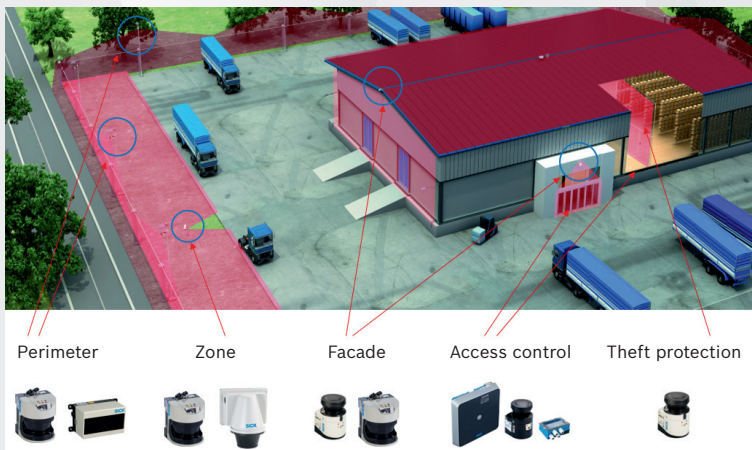
Bosch BIS OPC client
The BIS OPC client connects to the Sick OPC server to supply reliable measurement data for a whole host of tasks.

Bosch BIS workflow management
The BIS workflow management allows the operator to effectively follow-up the perimeter breach.

Overview on detection performance

Perimeter   Zone   Facade   Access control   Theft protection

SICK 2D laser scanners performing detection at a courtyard

SICK 2D laser scanners performing detection at a fence

The Bosch division Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at **www.boschsecurity.com**

Visit **www.ipp.boschsecurity.com** for details on the Bosch Integration Partner Program

From factory automation to logistics automation and process automation, is one of the leading sensor manufacturers.
As a technology and market leader, **SICK** provides sensors and application solutions that create the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents, and preventing damage to the environment.

For more information, visit **www.sick.com**