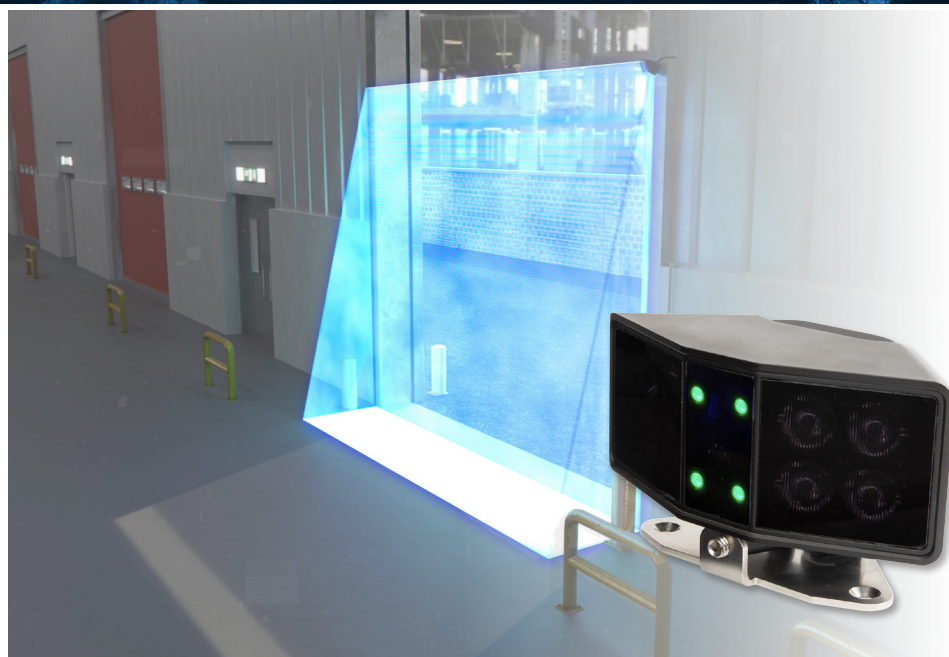


Application note



Subject:
**All-in-One Protection
for Industrial Doors**

Industry:
Access Controls

Product:
LEYON-Safe-E

Customer:
OEMs

CUSTOMER NEED

High-speed doors are widely used in warehouses, manufacturing plants and logistics hubs to protect goods and facilitate vehicle access.

They are essential to eliminate bottlenecks and reduce heat loss, thanks to their ultra-fast opening speed, allowing superior energy efficiency, and seamless workflow integration.

Industrial door manufacturers and operators know that every door must be equipped with appropriate safety measures to safeguard people and equipment while preserving operational efficiency.

Traditional protection systems—based on multiple components such as light curtains, safety edges, and photoelectric sensors—often lead to complex installation, time-consuming alignment, increased wiring, and higher maintenance efforts.

Ensuring consistent performance over the entire door lifecycle.

OUR SOLUTION

LEYON-Safe-E is an advanced all-in-one sensor based on 3D LiDAR technology, designed to provide complete door protection with a single device.

Certified as a Type E safety device under EN 12453, it replaces multiple conventional safety components, eliminating the need for additional devices such as safety edges or light curtains.

The system is easy to install, requires minimal alignment, and integrates seamlessly into industrial door applications.

The sensor detects any object in front of the door, significantly reducing the risk of a person or vehicle being hit during door operation.

BENEFITS

- **Simplified installation:** One sensor instead of multiple devices reduces setup time and complexity
- **Lower total cost of ownership:** Fewer components mean reduced hardware, wiring, and maintenance costs
- **Full door coverage:** Reliable detection across the entire door area with a single solution
- **Standards compliance:** Meets EN 12453 requirements as a certified Type E sensor
- **Improved reliability:** Fewer components reduce potential points of failure
- **Ease of use:** Streamlined configuration and operation for installers and end users