

Application note



Subject:
**Smooth Operations,
Every Day**

Industry:
Access Controls

Product:
LEYON-Safe-E

Customer:
OEMs

CUSTOMER NEED

Industrial door operators require safety systems that ensure continuous, reliable operation even in harsh and demanding environments.

Traditional safety sensors—such as light curtains, safety edges, and photocells—are typically installed on door posts or on the bottom edge of the moving door itself, where they are exposed to dust, moisture, ice, snow, and chemicals such as exhaust gases or cleaning process.

In addition, these components are vulnerable to accidental impacts from forklifts and trucks during daily operations.

Such conditions often lead to sensor misalignment or damage, resulting in downtime, maintenance interventions, and operational disruptions.

OUR SOLUTION

LEYON-Safe-E is installed overhead at a minimum height of 2.5 meters, away from critical exposure points and physical impacts.

This elevated positioning protects the sensor from environmental factors and accidental collisions.

Even in the event of damage to the door or its structure, the sensor continues to operate from its secure location, maintaining full functionality without requiring immediate intervention

BENEFITS

- **Maximum uptime:** Minimizes interruptions caused by sensor damage or misalignment
- **Protected installation:** Positioned away from dust, moisture, chemicals, and debris
- **Impact-resistant setup:** Out of reach of forklifts and trucks
- **Reduced maintenance:** Less need for cleaning, realignment, or replacement
- **Operational continuity:** Maintains functionality even if the door structure is damaged
- **Increased reliability:** Consistent performance in harsh industrial environments