ELOKON

ELOshield

ELOshield by ELOKON

Proximity Detection Without Blind Spots
Prevent Accidents Before They Happen

ELOshield is a tag-based proximity detection system built to protect people,prevent truck-to-truck collisions, and slow down vehicles in high-risk zones, all with centimeter-level precision.
Using Ultra-Wideband (UWB) direct device-to-device communication, ELOshield delivers highly accurate detection between vehicles, between trucks and pedestrians, and within safety zones. It automatically triggers alerts, alarms and vehicle slowdowns to reduce the risk of accidents.

The ELOshield Advantage

- **Reliable, Real-Time Protection**: Detects vehicles and tagged pedestrians instantly, even through obstacles or blind spots.
- **Proven UWB Precision:** Tracks movement and proximity within inches, with no false alarms from static objects.
- **Truck-to-Truck Detection**: Activates alerts only when moving vehicles are present. No interference from walls, racking, or pallets.
- **Creep Speed in Hazard Zones**: Automatically slows trucks when entering danger areas. Like a racing speed limiter, it ensures vehicles operate safely in high-risk spaces.
- **Scalable and Retrofittable**: Easily added to any truck model or facility layout, including mixed fleets and shared environments.

How It Works: Smart Features in Action

- **Personal Tags for Pedestrians:** Workers carry UWB tags that communicate with vehicle-mounted sensors to trigger alerts.
- **Vehicle-Mounted UWB Modules:** Forklifts, AGVs, and AMRs detect each other in real time, activating audible, visual, or slowdown warnings.
- **Zoning Units for Site Awareness:** Fixed beacons monitor intersections and pedestrian zones, triggering creep speed or alerts upon entry.
- **Direct Device Communication:** Devices measure distance within milliseconds, enabling fast and accurate safety responses.
- **Customizable Alert Zones:** Configure detection ranges for each truck or area, tailored to your environment.
- **Optional Combination with AI Vision:** For customers needing additional visual detection, ELOshield can be paired with AI cameras (ELOshieldAI) for tagless coverage.

Built for Demanding Safety Requirements

- **Industrial-Grade Durability:** Withstands harsh warehouse conditions andconstant operation.
- **OEM-Independent Integration**: Works across brands like Linde, Crown, Toyota, Jungheinrich, and more.
- **Modular Design:** Start small or go fleet-wide. ELOshield adapts to your safety roadmap
- **Future-Ready Platform**: Part of the ELOfusion product line, designed to integrate safety, fleet data, and real-time analytics.

Why Choose ELOKON?

- **ELOKON** is a trusted partner to 1,000 companies worldwide, offering:
- **Universal Compatibility** Works with any forklift brand for effortless integration.
- **Proven Industry Leader** The widest safety and telematics portfolio in the market.
- **Global Support Network** Offices in the USA, Germany, and Poland for world-class service.
- **Relentless Focus on Safety & Efficiency** We engineer future-proof solutions that minimize risk and maximize productivity.

Take the Next Step

Request a demo today to see how ELOshield can transform your approach to pedestrian safety.

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