

ELOKON

SAFE WAREHOUSE. SAFE WORKFORCE.

FORKLIFT-PEDESTRIAN SAFETY SYSTEMS



Contents

ELOKON. A Safe Success.	03
Partners & Customers	04
Health & Safety in Intralogistics	05
Personnel Protection Systems for Very Narrow Aisles	07
Assistance Systems for Forklift Trucks	09
Our End-to-End Services	10
ELOKON Worldwide	12

ELOKON. A Safe Success.

We provide world-class, field-proven solutions to protect people, objects and vehicles in material handling operations. We also advise clients on incorporating health and safety technology into machinery and facilities.

Founded in 1986, we employ more than 130 professionals in our headquarters near Hamburg, Germany, and offices in Birmingham, England, and Warsaw, Poland. A private, equity-financed company, we are a self-made success in the German logistics industry. We are completely invested in the effectiveness of our solutions and the success of our customers.

We train and motivate our staff to deliver real customer benefits and build long-term business relationships. We think and act with integrity and respect – across borders and cultures. We enjoy transparent collaboration. We value sustainability as well as economic efficiency. We are always open to new ideas. And we love doing what we do.

Our culture is both innovative and rigorous. We encourage our team to think outside the box, and we systematically review and test new ideas. We love transforming new concepts for products and services into practical, real-world solutions for our customers. Our standards are high. Working closely with customers, we track the cost-benefit of solutions and measure the value we add to our customers' operations. Any idea that does not work for our customers does not work for us, either. Our objectives are uncompromisingly aligned with our customers' needs.

FACTS AND FIGURES

Customers	Installed safety & assistance systems	Employees	Forklift types
4250+		130	100+
Countries worldwide	16.300+	Risk assessments	
46		10.000+	
Trained safety experts		Machine modernisations	Sector expertise (years)
11.000+		2.100+	36+
			International branches
			4

Health & Safety in Intralogistics

The global supply chain faces constant pressure to improve speed, accuracy and efficiency, whilst reducing costs. ELOKON safety solutions are designed to help you avoid disruption in your supply chain and maximise your material handling efficiency.



SAFER

Our innovative, automated safety solutions help prevent accidents in your warehouses – protecting people, objects, vehicles and goods.



MORE EFFICIENT

More automated safety means greater efficiency – workers who worry less about hazards will focus more on their tasks, and fewer accidents equals more throughput.

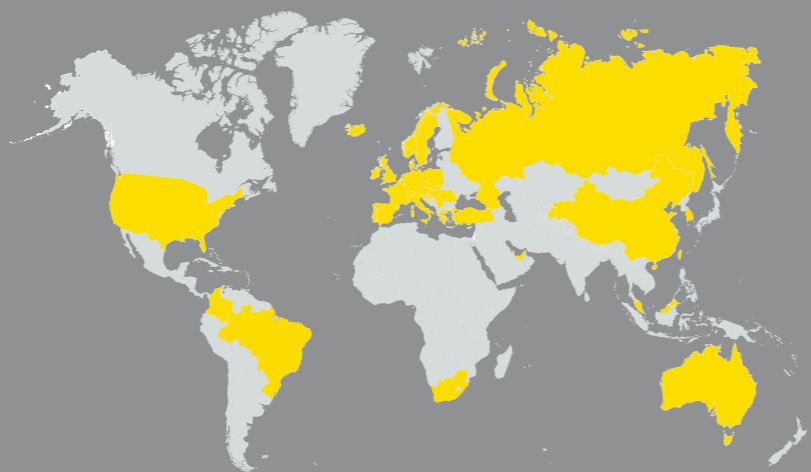


MORE PROFITABLE

Thanks to our holistic safety concepts, forklift trucks can operate at optimum speed. This guarantees a smooth flow of goods – for maximum productivity and profitability.

3,000+ CUSTOMERS. WORLDWIDE.

We work with more than 3,000 customers across almost 40 countries. Our diverse customer list ranges from large multinational corporations to medium-size private companies in local markets.



A STRONG PARTNER NETWORK



We work together with leading partners in the fields of technology, sales and implementation to make the most of each party's expertise. Collaborating with leading industrial truck manufacturers, systems integrators, and installation specialists, we deliver solutions optimised for each customer.

Safety for Your People & Machinery

ELOKON safety solutions help prevent accidents in warehouses – reducing the risk of injury to your staff and damage to your vehicles, goods and facilities. Our systems can be installed on any type of forklift truck – any brand, any age. Our systems can be fitted to new forklift trucks or retrofitted on your existing fleet.

PERSONNEL PROTECTION SYSTEMS FOR VERY NARROW AISLES

We are one of the world's leading providers of safety systems for very narrow aisle (VNA) warehouses. Our personnel safety solution uses intelligent sensors to detect hazardous situations and help prevent accidents. The system meets the stringent health and safety requirements for operating warehouse trucks in VNA environments.

ASSISTANCE SYSTEMS FOR FORKLIFT TRUCKS

The automotive industry uses driver assistance systems to help cars monitor distance, change lanes, apply brakes and park. Advances in this area are also enabling self-driving vehicles, which look set to become common on our roads in the future. We have deployed the same kind of technology in our assistance systems for warehouse trucks. Our systems can automatically regulate distances between vehicles and objects, adapt vehicle speed, avoid collisions and prevent injuries and damage.

MACHINERY SAFETY

With over 30 years of industry experience, we advise machinery and plant construction companies on how to improve the quality and reliability of the safety mechanisms in their complex systems. Our engineers advise customers on the technical aspects of health and safety to help reduce the risk of injuries, material damage and production downtime, and avoid the high cost of disrupted operations. We strive to optimise both worker safety and plant efficiency.

Winning solutions





**SYSTEMATIC
SAFETY**

Personnel Protection System for Narrow Aisles

ELOprotect is an automatic safety system which protects personnel when forklift trucks are in operation in high bay racking. It is a specially designed solution for the narrow aisle warehouse to prevent the occurrence of accidents between forklift trucks and pedestrians. This mobile system has been designed to accord to the highest safety standards and is recognised by the regulatory authorities as a replacement measure for risk reduction when operating a narrow aisle warehouse. ELOprotect complies with DIN EN ISO 13849-1.

ELOprotect

VNA Vehicle-Pedestrian Safety System



ELOprotect monitors the danger zone in the moving vehicle's direction of travel as well as in both directions when it is stationary, ensuring that neither a pedestrian nor a forklift can approach each other unnoticed. If a person or an obstacle is detected when the truck is moving the truck is brought to a standstill and an alarm is activated.

eloprotect.elokon.com



ELOprotect

Anti Collision System

The anti-collision version of ELOprotect cuts out the danger in narrow aisles as the system's intelligent laser technology prevents forklifts colliding with each other. This enables the simultaneous operation of more than one forklift in an aisle whilst allowing operation at optimum speed.



Assistance and Fleet Management Systems



360°
PROTECTION



We develop and manufacture assistance systems for forklift trucks and other industrial vehicles. These electronic systems intervene automatically when vehicles engage in unsafe behaviour or are in a potentially dangerous situation. For example, our systems can slow down a forklift truck or warn the driver and nearby pedestrians with visual, acoustic or vibrating signals. Although our focus is safety – avoiding hazards and preventing accidents – we design our solutions to complement a vehicle's normal work routine with minimal disruption, which typically results in a high level of operator acceptance.



ELOshield

Proximity Detection System

ELOshield is an innovative, UWB-based protection system designed to shield vehicles and staff. A fixed-site version monitors accident-prone areas, such as high-traffic aisle intersections. A mobile version monitors "danger zones" of up to 25 metres around moving vehicles (both vehicle-to-vehicle and vehicle-to-person). These zones can be flexibly programmed by vehicle, based on operating needs, as circles, symmetrical rectangles or asymmetrical polygons.

eloshield.elokon.com



ELOfleet

Fleet Management

ELOfleet™ is a wireless telematics system that provides RFID-based access control, vehicle fault recording and data evaluation of vehicle/fleet performance. It can be installed on forklift trucks of any type, brand, age or drive system. The system improves operational safety for forklift truck fleets while also enhancing productivity of both vehicles and operators.

elofleet.elokon.com



ELOspeed

Indoor/Outdoor Speed Control



In production and warehousing facilities, passages between indoor and outdoor work areas are often safety-critical zones. Forklift truck drivers are typically permitted to accelerate to maximum speed when outside, but are supposed to slow down for safety reasons when returning inside. ELOspeed, a radar-based system developed jointly with our automotive industry customers, allows vehicles to operate at full speed outdoors, but automatically slows them down to a programmable speed limit as they come inside.

elospeed.elokon.com

Our End-to-End Services

With over 30 years of industry experience, in-depth expertise in safety technology and successful implementation and support of our systems, we know how to help our customers achieve their safety goals. We provide comprehensive end-to-end services, from pre-sales requirements analysis to project management to after-sales support.

PRE-SALES SERVICE

As part of our pre-sales consulting service, we typically assess the current application, define goals, analyse requirements, and work closely with the customer to tailor the right solution and project plan.

PROJECT MANAGEMENT

Managing the deployment of our system typically includes electro-technical integration with vehicles, installation and calibration of hardware and commissioning/launch.

TRAINING

We can provide extensive training, from individual sessions on how to use our products to "Train the Trainer" events. The simplicity, reliability and automation of our systems empowers our customers to conduct their own internal training. Customers also often install and commission our products themselves.

AFTER-SALES SERVICE

We provide a wide range of ongoing support options for our customers: phone and email service with short response times, fault rectification under warranty, maintenance contracts, recurring compliance testing in accordance with health and safety regulations, periodic refresher retraining, and on-site assistance from service technicians.

PRODUCT INNOVATIONS

We welcome new product ideas from our customers – to improve forklift truck safety, driving comfort, ergonomics, economy and/or efficiency. With 30+ years of experience developing successful electronic solutions for warehousing applications, we are well positioned to systematically evaluate new product ideas – whether for an entire industry or an individual customer – and transform them into timely commercial production.

We love innovative and agile product development!

»THE **ELOKON** BRAND IS SYNONYMOUS WITH **LEADING EXPERTISE** IN THE DEVELOPMENT OF **INTRALOGISTIC SAFETY AND ASSISTANCE SYSTEMS** FOR PLANT AND MACHINERY SAFETY.«

Daniel Salas, Key Account Manager Transport Logistics Building Automation, SICK Vertriebs-GmbH

THE ELOKON PARTNER PROGRAM

Forklift truck
manufacturers
(OEMs)

Forklift truck
dealerships

System
integrators

Technology
providers

ARE YOU PASSIONATE ABOUT INTRALOGISTICS OR MACHINERY SAFETY? **WE SHOULD MEET!**

ELOKON. WORLDWIDE.



4,250 + CUSTOMERS. WORLDWIDE.

With industrial experience and technical expertise from more than 4,250 projects in more than 46 countries, we optimise the intralogistics and machinery safety of our customers.

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