

Heijmans N.V Case Study

How ZONE AI is protecting staff working around forklift trucks and building a data-driven safety foundation across Heijmans' Netherlands operations.

"I would recommend the system as a standard everywhere. It doesn't impair you, there's no difficulty with it - it's just there to assist you."

William Isce
Forklift Operator

Forklift Truck Fleet Safety Rollout

Heijmans operations span more than 196 sites across the Netherlands.

- Operators alerted in real time when pedestrians enter the detection zone
- Directional arrow display & monitor for in-cab visibility
- Zonal Lighting for worker awareness
- Footage and data captured continuously for site-wide risk analysis
- Fully integrated with Parksafes On Demand Video Telematics platform

Official Netherlands Partner

B4C are the exclusive Parksafes Group distribution & install partner for Netherlands.



At a Glance

In large-scale construction and infrastructure operations, forklift trucks and telehandlers move constantly through busy environments, sharing tight spaces with ground workers across depots, active construction sites and specialist facilities.

ZONE AI addresses this at two levels; protecting operators in the moment with real-time detection and alerts, and capturing the footage and data needed to identify risk trends and drive safer operations long-term.

Challenges

Heijmans is one of the country's largest construction and infrastructure contractors, with operations spanning major civil projects, Schiphol Airport, and military sites across the Netherlands. Across this diverse portfolio, forklift trucks and telehandlers operate in complex, high-footfall environments where machinery and ground workers share the same space throughout the working day.

- Forklift operators running full-day shifts in busy environments
- Machines & workers forced to operate in close proximity
- No way to capture near-miss data or identify site risk patterns

The Solution

Heijmans initially began the ZONE AI rollout across their forklift truck fleet with a three-camera system. Following evaluation, the setup was refined into a purpose-built single rear-camera & 270° zonal lighting kit optimised specifically for FLT operations.

Critically, every installation integrates directly with Parksafes On Demand Video Telematics platform, enabling Heijmans to capture site footage and generate safety data that can be reviewed, analysed, and used to proactively reduce risk across all their operations.

- Bespoke rear-camera & lighting kit
- Real-time pedestrian detection with in-cab dual display
- 270° Zonal Lighting Coverage for improved visibility
- Integrated with Parksafes On Demand Video Telematics for continuous data capture
- Risk & incident trend identification and proactive intervention

The Benefits

Awareness

Monitor & directional LED display in-cab.

Internal & external audible warning alarm triggered.

Safety

Operators receive instant alerts when a person enters the detection zone.

Reduced risk of collision across the full fleet.

Intelligence

Every detection event generates footage and data.

Proactive risk reduction with Parksafes On Demand.

Compliance

Supports Heijmans' commitment to meeting safety obligations as a major national contractor.