



# VT LoadSafe

Intelligent Control System

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The LoadSafe system prevents loaders from being injured when operating rear bin lifters by actively monitoring the working area using AI-based pedestrian detection.

An intelligent camera continuously detects the presence of people within configurable safety zones around the bin lifter. The detection zones can be precisely refined to ensure accurate monitoring, minimising false lift inhibitions and avoiding unnecessary disruption to workflow.

When a person is detected and the lift is inhibited, a flashing amber light indicates that the system is active.

The system ensures that bin lifters cannot operate while a pedestrian is present in the detection zone, significantly reducing the risk of injury, while optimising worker efficiency.

## FEATURES:

- AI-powered pedestrian detection for rear bin lifter safety.
- Automatically inhibits bin lifter operation when a person is detected.
- Fully customisable and highly accurate detection zones to minimise false inhibit events.
- Light system to clearly indicate system status.
- High-accuracy detection ensures safety without unnecessary workflow disruption.
- Reliable operation in harsh environments.
- Operating temperature: -40°C to +85°C.
- Data logging for lifter activity and detection events via VT Connect.