

Defining the Future of Work Wear

Light Flex Integration Concepts

A cooperation between:



ERICSSON



LIGHT FLEX™



Light Flex Sweden AB

Beyond Product... the future of connected 'Smart' Work Wear

- Precise positioning system for worker location & advanced safety management
- Pairing technologies with ongoing investment by companies in safety infrastructure
- Enhance worker safety in autonomous vehicle environments
- Prepare for further enhancements such as environmental toxicity sensors, decibel sensors, etc
- Anticipate regulations
- Dual effect: passive reflectivity and active light
- Night Vision friendly



Vehicle to Worker Proximity Sensors

- Alert driver to potential danger with workers in work area
- Display identifying workers & relative distances



Vehicle to Worker Proximity Sensors

- Provide safety to workers with work environments
- Prepare for driverless vehicle environments
- Alerts work when minimum safety proximity violated

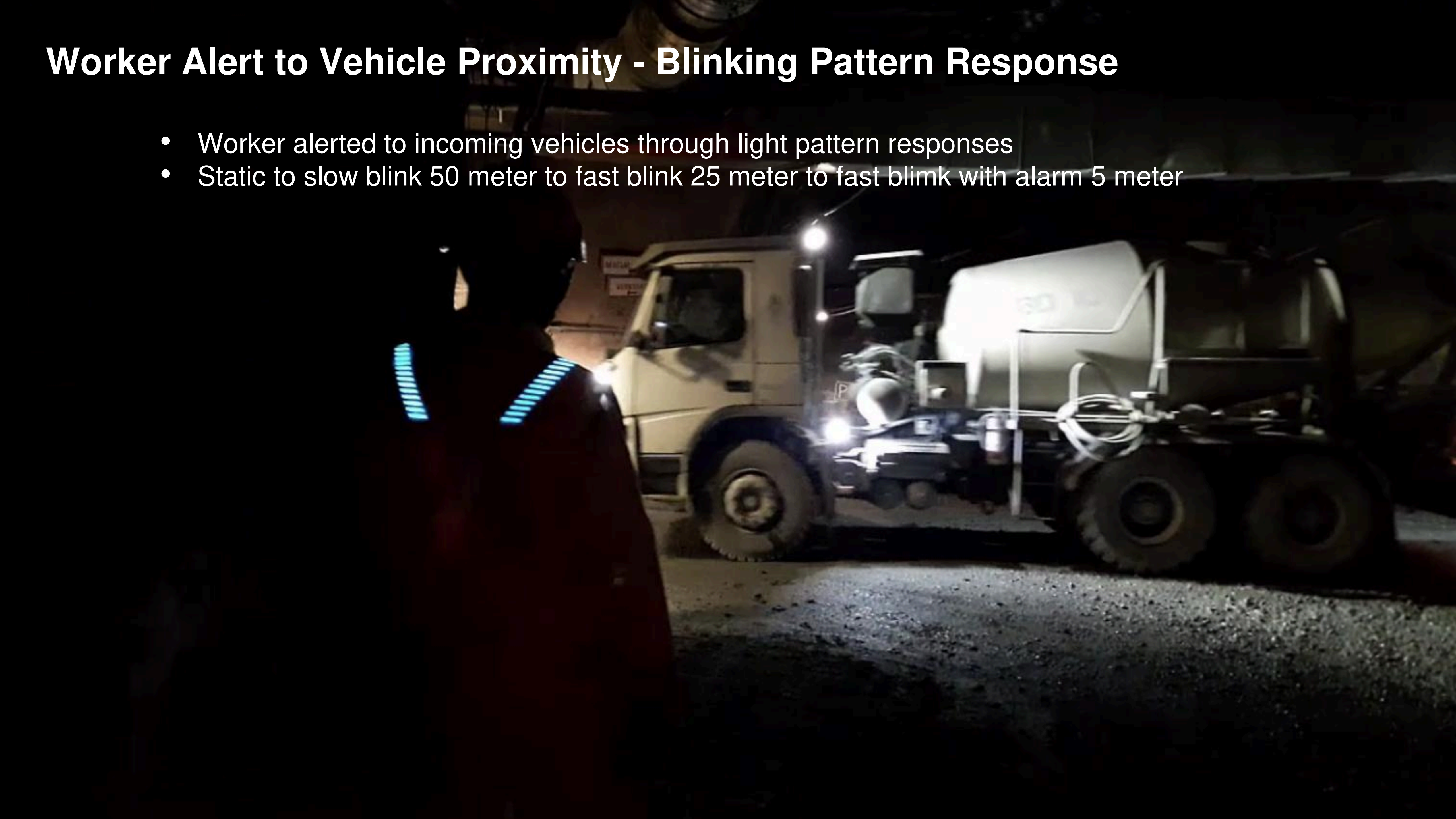


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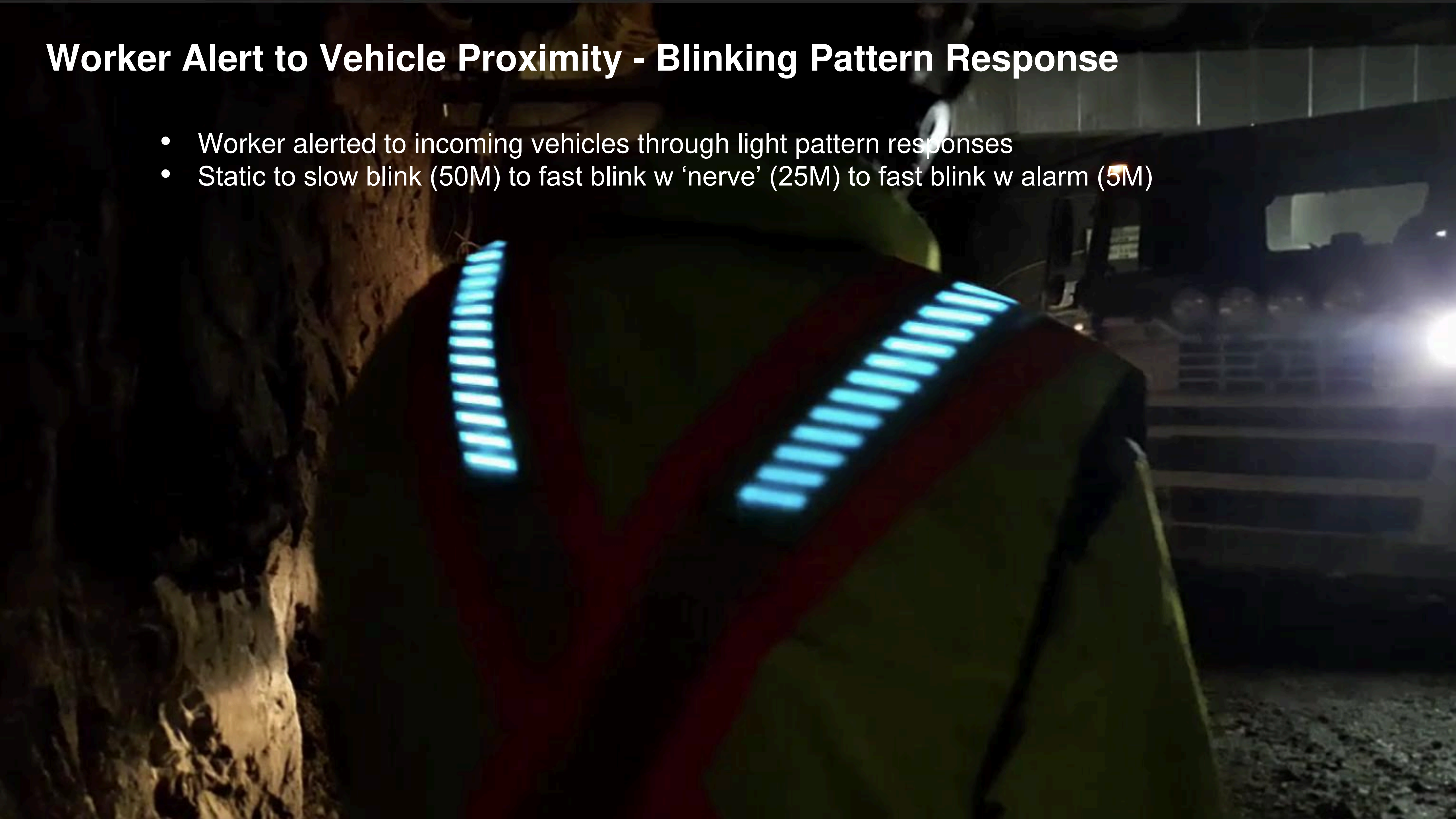
Worker Alert to Vehicle Proximity - Blinking Pattern Response

- Worker alerted to incoming vehicles through light pattern responses
- Static to slow blink 50 meter to fast blink 25 meter to fast blink with alarm 5 meter



Worker Alert to Vehicle Proximity - Blinking Pattern Response

- Worker alerted to incoming vehicles through light pattern responses
- Static to slow blink (50M) to fast blink w 'nerve' (25M) to fast blink w alarm (5M)



Virtual 'geo-fencing' control

- Enable automatic active light safety within work areas
- Automatic 'on' when entering defined area
- Automatic 'blinking alert' when entering dangerous area



Vest lights controlled
by virtual fence

Auto-on / off when exiting / entering vehicle

- Enable automatic active light safety when exiting work vehicles
- Wide range of vehicle / worker applications (emergency response, police, mining...)
- Definable sensitivity range (distance from vehicle)



Partners

