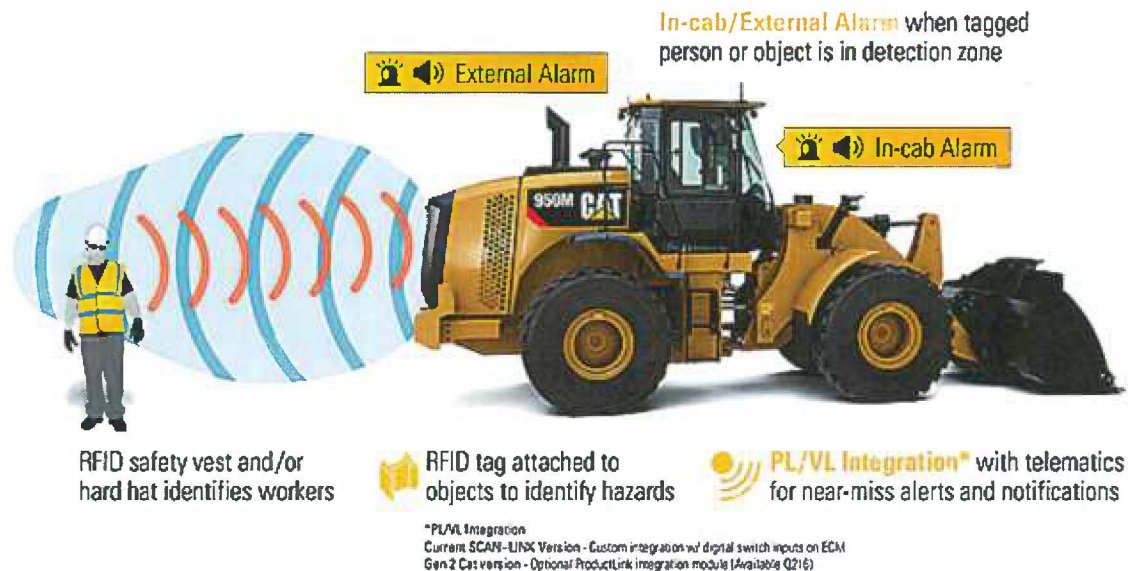


CAT DETECT FOR PERSONNEL

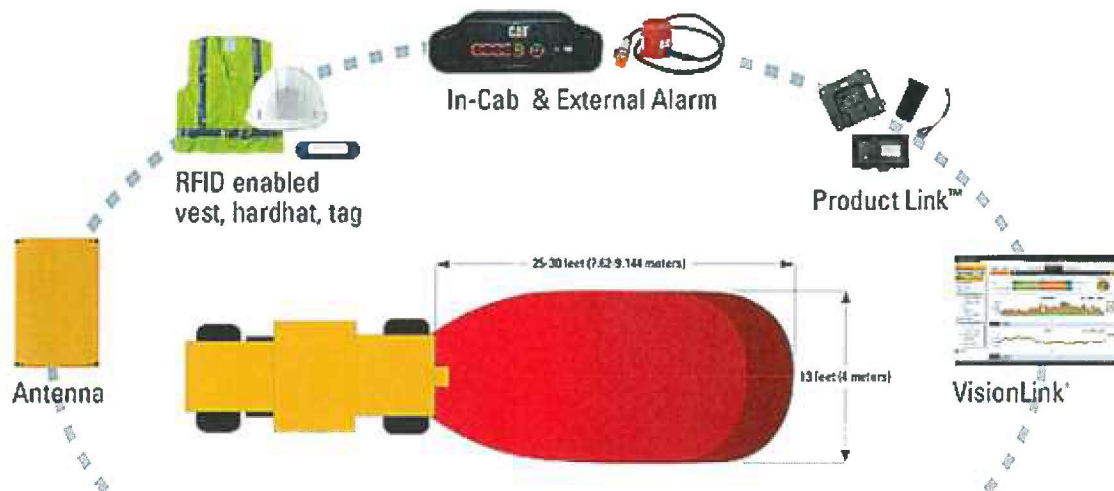
OCT 9 2018



SPECIFICATIONS OVERVIEW

Cat Detect for Personnel provides an additional layer of protection for ground personnel standing or working in the vicinity of mobile equipment. Cat Detect for Personnel utilizes passive Radio Frequency Identification (RFID) technology which is placed within safety vests, hard hats or fixed tags. An Ultra High Frequency (UHF) antenna is installed on Cat or non-Cat equipment to communicate with the RFID tags along with a wireless link in-cab alarm and external speaker. The in-cab audible alarm works instantly to alert operators if a tagged person, machine or fixed object is within an unsafe area behind the equipment. The loud audible alarms outside of the equipment also alert the ground personnel if they reside within the detection zone

AB 91-COMM-1-1



Leveraging RFID technology, antenna detects personnel and signals an in-cab alarm when personnel enter detection zone. When wired to the Product Link digital switch, this also relays an event to VisionLink reports & alerts.

OVERVIEW

RFID enabled Personal Protective Equipment (PPE) - vests, hard hat sticker sets & rigid tags for fixed objects

No additional PPE required - no batteries or plug in PPE required

By focusing on 'blind spots' only, this technology minimizes false positive alarms

Rigid tags can be placed on any fixed object (generators, light poles, pick-up trucks, etc)

RFID vests can be worn under other clothing (jackets, etc)

RANGE

The antenna UHF signal extends 25-30 feet out and 10-12 feet side to side / top to bottom

The antenna UHF signal can detect through fog - it does not detect through metal or solid water

AVAILABILITY

The system can be installed on Cat or other mobile equipment manufacturers & available via Cat Dealers

OPERATION

The system can be activated upon ignition or when equipment is operated in reverse only

The external alarm puts out 97dB of sound - very distinct from a backup alarm

Instant alarm notifications to equipment operator & ground personnel who enter the red zone

The red zone space can be adjusted to fit the immediate work condition

The system captures alarm instances so the risk can be managed

BENEFITS & FEATURES

OVERVIEW

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