



INTELLIGENCE



BY PRESIEN

VEHICLE Front end loader

RISK Highly mobile machine with significantly obscured rear vision

Operators and site health and safety were concerned of potential plant-people and plant-plant interaction at the loader's rear blind spot due to the quick and varied forwards and backwards operation of the vehicle.

Blindsight was fitted to the machine with both sensors observing this rear danger zones. The in-cab alert was installed in the operator's peripheral vision.

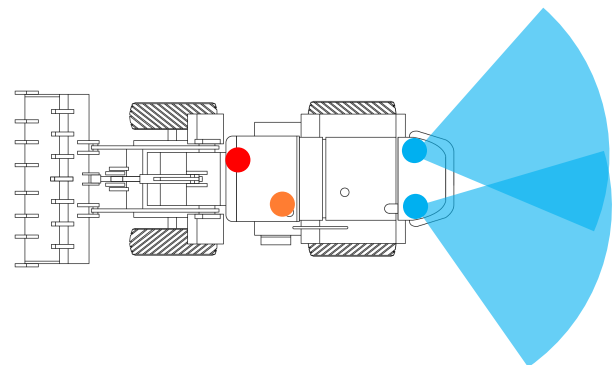
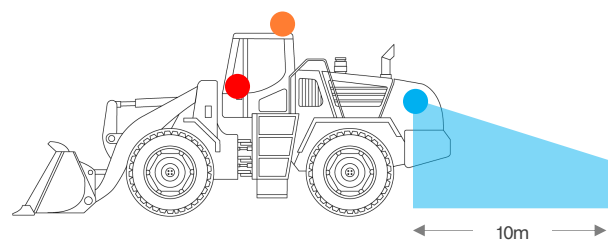
When Blindsight detects a person or a vehicle, the operator is alerted to the direction of the danger by the in-cab alert with flashing lights and an optional beeping or vibration noise.

Each detection event is saved, and a video is automatically uploaded to the cloud for analysis and review by health and safety.

As a result, the operator gained better situational awareness and health and safety was able to report on potential near misses.

Recommended installation
NOT TO SCALE

BPU | Sensor | In-cab alert



Hardware 1x Blindsight Processing Unit (BPU), 2x Sensor with bolt mount, 2x 5m cable, 1x In-cab alert.

Configuration People detection on. Region of interest to mask out any visible sections of plant and limit detection distance. Alerts enabled when vehicle is in reverse.