



VEHICLE Backhoe

RISK Highly mobile machine with significantly obscured rear vision

INTELLIGENCE

BY PRESIEN

Operators and site health and safety were concerned of potential plant-people interaction at the backhoe’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 zone. The in-cab alert was installed in the operator’s peripheral vision.

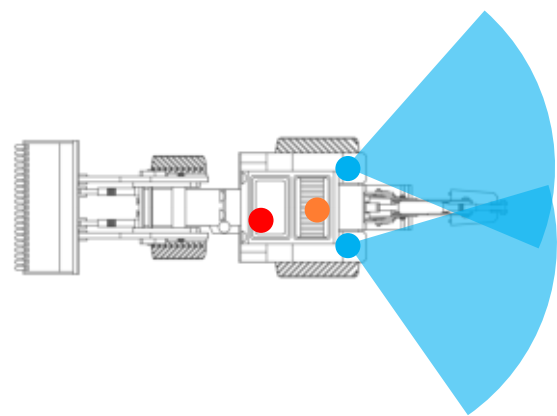
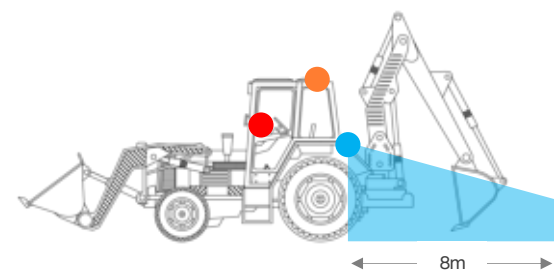
When Blindsight detects a person, the operator is alerted to the direction of the danger by the in-cab alert with flashing lights and an optional beeping or vibration noise.

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



<b>Hardware</b>	1x Blindsight Processing Unit (BPU), 2x sensor with bolt mounts, 2x 5m cables, 1x in-cab alert.
<b>Configuration</b>	People detection on. Region of interest to mask out any visible sections of plant and to limit detection distance. Alerts enabled when vehicle is in reverse.