BLIND
SIGHT

INTELLIGENCE
BY PRESIEN

VEHICLE	Excavator (>10 t)
RISK	Slewing plant without physical exclusion zones

Operators and site health and safety were concerned about people entering the exclusion zone around the excavator. The machine completely obscures the operator's vision in the rear and right side, creating a dangerous potential for people-plant interaction.

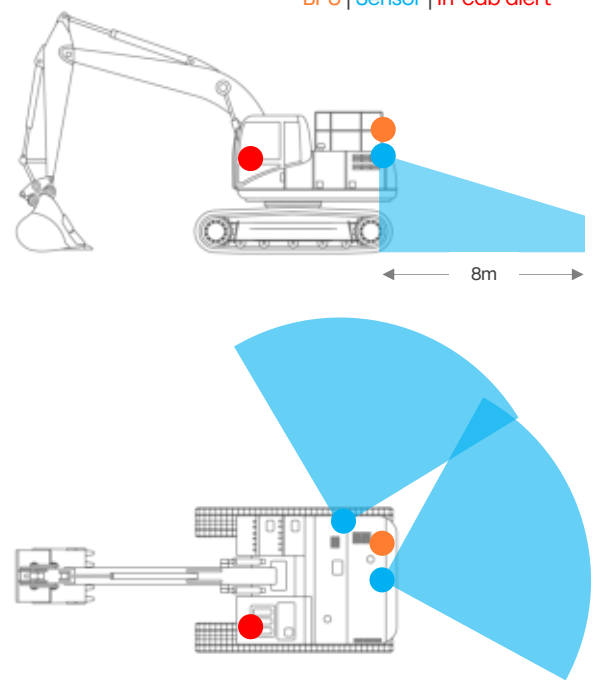Blindsight was fitted to the machine with one sensor looking at each of these danger zones. The in-cab alert was installed in the cab at the operator's eye level. When Blindsight detects a person, the operator is alerted to the direction of the danger by the in-cab alert with flashing lights and an optional beeping or vibration noise.

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

As a result, the operator gained better situational awareness, personnel on foot had better success creating positive contact with the operator, and health and safety was able to report on potential near misses.

Recommended installation
NOT TO SCALE

BPU | Sensor | In-cab alert

8m

Hardware	1x Blindsight Processing Unit (BPU), 2x Sensor with hose-clamp mount, 1x 5m cable, 1x 3m cable, 1x In-cab alert.
Configuration	People detection on. Region of interest to mask out any visible sections of plant and to limit detection distance. Alerts enabled when hydraulic safety lock/pilot lock has been disengaged.