

AUTOMATING WSH PRACTICES WITH AHHAAS

OR KIM PEOW CONTRACTORS PTE LTD

Aiming to enhance control measures from existing manual methods (e.g. deployment of banksmen) to improve their WSH, Or Kim Peow Contractors Pte Ltd came across the Advance Human Hazards and Avoidance Alerts System (AHHAAS) Anti Collision System at a WSH seminar and started implementing it from July 2023. They have since installed it in about 10% of their applicable vehicle fleet, and plan to expand the integration of AHHAAS across a larger portion of their vehicle fleet in the coming months. They foresee scaling up their usage to further enhance safety measures and streamline their operations. This proactive step aligns with their dedication to staying at the forefront of industry advancements and prioritising well-being of the workforce.

Unlike conventional sensors that sound an alarm for anything detected within a predetermined distance, this technology only alerts the operator when individuals are detected. This avoids causing the operator to become desensitised to unnecessarily activated alarms.

This technology is especially useful to companies that depend on banksman to guide excavator operators. It reduces the safety violations resulting from human-related errors such as missing banksmen, banksmen not using remote bells or whistles, or poor positioning of banksmen such as standing too near to the excavator. The AHHAAS also eliminates human communication errors between banksmen and operators, and reduces the dependence on the audibility of whistles or remote bells.

Operators benefiting from the technology shared that they have felt safer and more confident in operating the excavator. In addition to creating a safer workplace, the company was also able to better optimise their human resources as they do not need to deploy additional workers for every excavator onsite. The banksmen could be redeployed to other areas that require manpower.



Operator's monitor inside the excavator

**The AHHAAS was procured from Solaris CES Pte Ltd*



Thoughts and reflections:

*“At Or Kim Peow Contractors Pte Ltd, we believe in empowering our teams through technology. By providing them with cutting-edge tools on our machinery, we ensure that our teams stay ahead of industry trends. Our approach to adopting technology isn’t a choice between tradition and progress; it’s about blending both for sustainable success. We see technology as a catalyst for transformation, shaping the future of construction. More than just progress, it’s about caring for our workforce, prioritising their well-being, and creating a safe and healthy work environment on every worksite.” - **Daniel Or, Executive Director***

*“The technology is user-friendly and requires no input from me during operation. The technology adoption allows me to concentrate on operating the excavator without the need to verify with the banksman or manage less experienced individuals standing too close. It has enhanced my focus and streamlined operations. I appreciate the heightened reliability and consistency of the alert system, contributing to a safer and more efficient working environment.” - **Jong Hua Kwan, Corporate Safety Manager Speaking on Behalf of Phapho Sangdee, Excavator Operator***

