

Komatsu Introduces Factory-fit Human Detection System on Crawler Excavators with Safety Shield

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Komatsu has announced the launch of a factory-fit Human Detection System as an option on selected Komatsu UK-built Crawler Excavators, with factory calibration and full Komatsu warranty.

“At Komatsu, safety is always our number one priority and is non-negotiable. This collaboration with [Safety Shield Global](#) marks a clear step forward in delivering integrated solutions that enhance jobsite safety and give customers greater peace of mind,” says James Venerus, Product Marketing General Manager at Komatsu Europe.

Industry-leading detection accuracy across typical European jobsites

The system has been rigorously tested under common European jobsite conditions and achieves industry-leading detection accuracy, performing reliably across a wide variety of high-visibility and protective clothing colours.

Powered by Safety Shield Global

The technology is developed in collaboration with Safety Shield Global, a pioneer in safety solutions for industrial environments. Their software is designed specifically for heavy plant operations, combined with Komatsu’s machine architecture to deliver real-time detection of people around the machine.

Jonathan Guest, CEO of Safety Shield Global, commented: “This partnership with Komatsu marks a major milestone for Safety Shield Global. We are honoured to collaborate with such a respected global

manufacturer.”

“Our mission has always been to eliminate deaths and serious injuries in environments where people work alongside heavy machinery. Komatsu shares those values, and we’re excited to deepen this partnership and grateful for their trust in our technology.”

Integrated factory-fit development

The Human Detection System integrates seamlessly with the existing KomVision camera and on-board controllers on Komatsu machines. A dedicated in-cab display and audible alert system provide operators with immediate visual and audible alerts when a person enters a defined risk zone around the machine.

As a factory-fit solution, the system benefits from seamless integration, factory calibration and validation, full Komatsu warranty and support, without the need for complex retrofitting. required.

Venerus added, “Factory-fit is about delivering the same Komatsu standards of quality, assurance and reliability across every part of the machine. By integrating this system at the production stage, we ensure customers receive a solution they can trust - fully aligned with the performance and durability expected from Komatsu equipment.”

The Human Detection System is available as a factory-fit option on selected excavators: PC170-11, PC210-11, PC240-11, PC290-11, PC360-11, HB365-3, and PC490-11.