

Leica PA10 – Personal Aid

Leica PA10 is an innovative solution from Leica Geosystems that combines a tag worn by personnel moving around on foot one that communicates with machines on a heavy construction site. The goal is to create awareness for machine operators and pedestrians and create a safer working environment.



AWARENESS

PA10 is a proximity detection system to provide information about pedestrians around vehicles and machines on a heavy construction site. PA10 creates awareness for operators and pedestrians about their surroundings.

ALERT SIGNALS

Signal propagation time is measured between anchors installed inside machines/vehicles and battery-powered tags worn by pedestrians. The PA tag provides **audio**, **visual** and **haptic** feedback to the pedestrian, and the anchor provides **visual** and **audible** feedback to the machine operator or driver.

LONG-RANGE

PA10 is based on the latest Ultra Wideband (UWB) time-of-flight technology that provides ranges up to 40 m with +/-20 cm accuracy without separate RF link. It provides situational awareness and reliable alerts even under roof and closed spaces where GNSS coverage is limited or unavailable e.g. workshop, quarries.

Scalable

PA10 can be used for all machines and vehicles on a heavy construction site. The system provides three configurable alert distances around the machine or vehicle. PA10 is scalable from a single anchor up to 7 anchors on the vehicle.

