






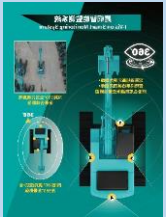



## Smart Safety-related Technologies Applicable to Smart Site Safety System

PA Code	Product Type	Smart Site Safety System Cateogisation	Product name	Distribution Channel	Contact	Product Descriptions	Approved Prodcut Price (HK\$)
PA20-020	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	BLAXTAIR Pedestrian / Machinery Anti-collision Camera 	Gear-up Materials Limited	<a href="mailto:anourisson@gearupmaterials.com">anourisson@gearupmaterials.com</a>	The BLAXTAIR® System allows users to set detection zone and provides audible alarm and flashing signals on the driver’ s screen if there are pedestrians or objects within the set zone. A monitor installed in the cabin provides continuous footage captured by the sensor head. It can ensure the safety of the pedestrians nearby the work site.	<a href="#">Link</a> 
PA20-025	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	SmartWorks 	SmarTone Mobile Communications Limited	2281 8818	SmartWorks is an integrated platform to enhance construction workers’ health, safety and operational efficiency. The platform incorporates five modules to promote and manage worksite safety, namely Smart Helmet for worker’ s real-time condition sensing, SmartHealth Station for workers’ health surveillance checking, Environmental Station for environmental monitoring, danger rader concerning of Safety Triggering System and Dump Truck Management.	<a href="#">Link</a> 
PA20-032	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	Ultra-wide Band Wireless Positioning Safety System 	Transcendence Company Limited	2862 1724	The product is a “Worker Real-Time Positioning System” which incorporates smart watches and a central monitoring platform. By applying ultra-wide band positioning technology, it can track workers’ locations and health parameters even in sealed off space.	<a href="#">Link</a> 





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PA20-055	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	UWB Collision Warning System 	Beeinventor Limited	9757 2952	Collision warning system could provide real-time safety alert for workers and plant operator by using UWB technology. Many accidents happening on site involve workers being hit by moving plant and machines. An accurate collision warning system can prevent this kind of accidents in a cost effective way. The system adopts the latest UWB - Ultra Wide Band technology. The plant with a UWB detector sets a virtual working perimeter and any worker with an UWB tag entering the perimeter will trigger the alarm to warn workers and the operator to stop the plant so as to prevent collision accidents. The accuracy is up to centimeter level and in all directions.	<a href="#">Link</a> 
PA20-073	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	I-Vision Smart Monitoring System 	Kong Chun Construction Machinery Services Centre	2475 1083	This product is a safety monitoring system installed on heavy construction plant for obstacles detection and real-time acquisition of surrounding environment. It provides synthesized image with 360° bird's-eye view, panoramic detection of obstacle within 1 metre, and siren and signal light when there are obstacles in the detection range, thus improving workers' safety when plant is in the operation.	<a href="#">Link</a> 

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PA20-119	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	SAFERAI v3.0 	Karta-X Technologies Limited	3619 0620	This product is a construction site safety monitoring platform. It has an AI analytical tool for determining workers behavior captured by CCTVs with functions including workers' attendance and PPE identification, machine identification and suspicious personnel detection for better site management. Alert could be delivered by web, emails or APPs.	<a href="#">Link</a> 
PA21-031	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	Driver Status Monitor System 	Transcendence Company Limited	2862 1724	The product is designed to analyse machine operator's behaviour via an infra-red camera. The captured images are interpreted by artificial intelligence (A.I.) and big data to recognise unsafe and abnormal behaviours. An instant alert will be issued to both the driver and site management when unwanted operator behaviour is spotted.	<a href="#">Link</a> 
PA21-044	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	Advanced Driving Assistance System (ADAS) + Drowsiness Monitoring System (DMS) 	GreenSafety Technology Limited	2662 6460	Advanced Driving Assistance System (ADAS) is a dual-camera device that provides real-time driving assistance by alerting the driver of possible dangerous driving situations. The detection is made possible with the use of video analytics technology.  Driver Monitoring System (DMS) uses sophisticated face recognition technology to provide audible and vibrating alerts when fatigue or bad driving behavior is detected.	<a href="#">Link</a> 

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PA22-037	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	5G Smart Site 	Synergos Systems Company Limited	3176 2121	This product is an integrated alert and authorisation platform which collects signals from various types of safety-related sensors and cameras for monitoring of collision and entry to unauthorised or danger zones. The gathered information is relayed via mobile network to the online centralised monitoring platform. It also enables facial authentication for moving plant activation.	<a href="#">Link</a> 
PA22-043	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	Mobile360 M500 - Dual purpose safety monitoring system 	T-Smart Logistics Limited	2488 8888	With dual monitoring functions, the A.I. intelligent wide-angle dual camera lens detects the movement of pedestrians in the dangerous area of work, real-time visual alarm and audio reminder to the operator, solves emergencies and provides protection for blind spots. In order to ensure that the operator is fully focused on the operation, the M500 indoor AI face-specific camera lens can monitor whether the operator is fatigue, smoking, or focusing on the phone. Real-time visual alarms and audio reminders can prevent unsafe conditions and associated accidents from happening. The system can be used with mobile phone applications to ensure the safety of pedestrians and operators.	<a href="#">Link</a> 

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PA23-028	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	Blindspot Detection System 	GreenSafety Technology Limited	2662 6460	This product is able to determine the distance between a vehicle and the detected obstacles through real-time image analysis facilitated by the onboard camera. Warnings are given to the driver to prevent accidents.	<a href="#">Link</a> 
PA23-052	Safety Monitoring System	5. Unsafe acts / danagerous situation alert for mobile plant operation danger zone	ForesightTwin 	Digital G Limited	2516 8717	ForesightTWIN is a smart worksite safety system that integrates IoT devices and solutions. The system centralizes visual data in a web-based platform, enabling project teams to access this data and monitor high-risk construction activities to identify safety hazards.	<a href="#">Link</a> 
PA22-035	Safety Monitoring System	6. Unsafe acts / dangerous situation alert system for tower crane lifting zone	Construction Machines Crash Detection System 	Hong Kong Telecommunicati ons (HKT) Limited	2883 6577	The Crash Detection System (CDS) uses sensors to measure positions of machineries and compute a 3D model with machineries and structures' real-time positions to determine if there is a potential risk of collision. Alert will be given to the operators to take immediate action to prevent accidents. The solution can be deployed to a site with multiple machineries and will function in adverse weather conditions.	<a href="#">Link</a> 

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PA23-048	Safety Monitoring System	6. Unsafe acts / dangerous situation alert system for tower crane lifting zone	I-Vision Anti-collision warning system 	Kong Chun Construction Machinery Services Centre Limited	<a href="mailto:esther_law@kongchun.com.hk">esther_law@kongchun.com.hk</a>	This product is an anti-collision warning system for cranes and tower cranes. When the cranes and tower cranes are close, by installing the base station on the tower crane with the preset warning distance and the angle sensor on the crane with the preset warning for the specified height. Then when the base stations are close to each other to the preset range, the system will indicate that there may be a risk of collision between cranes. Thus the system can issue early warning prompts in real time,	<a href="#">Link</a> 
PA23-052	Safety Monitoring System	6. Unsafe acts / dangerous situation alert system for tower crane lifting zone	ForesightTwin 	Digital G Limited	2516 8717	ForesightTWIN is a smart worksite safety system that integrates IoT devices and solutions. The system centralizes visual data in a web-based platform, enabling project teams to access this data and monitor high-risk construction activities to identify safety hazards.	<a href="#">Link</a> 