

CITF Safety-related Pre-approved Technologies

Code	Type of Technology	Distribution Channel	Contact	Product Descriptions	Reference Photo
PA18-006	Advanced Tools and Equipment	Shun Hing Systems Integration Co. Ltd. Tel: 2439 8393		Powered Wear MODEL-Y The product is a wearable robot that alleviates burden to the waist when lifting heavy objects. When a worker is about to pick up a heavy object, the product, controlled by motion sensors, provides assistance to the worker, helps reduce strain and improves safety. Legend: 15	
PA18-007	Sensors and IoT	ATAL Technologies Limited Tel: 9488 0410	Tel: 9488 0410 (updated 31/12/2020)	Construction Stage Tunnel Access Control System (TACS) The system, incorporated RFID Technology, 3G telecommunication, custom-designed software is used for real-time safety monitoring of on-site human resources and incident management. Legend: 14, 15	
PA18-032	Sensors and IoT	VHSoft Technologies Co. Ltd Tel: 2619 8034	Tel: 2619 8034	Visual Intelligence Safety Compliance Monitor (VISCMon) system The VISCMon system comprises with the sensor and sensing technologies. In collaboration with artificial intelligence technologies and the latest telecommunication technologies, it provides a solution to meet the needs on safety. Specialized cameras operate like the CCTV system when monitoring work area. The cameras monitor workers and check if the required safety standards are met. Once the required safety gear is not detected, a message will be sent to site safety officer via telecommunication network. Legend: 15	
PA19-002	Automation and Robotics	C. Crossfield & Co., Ltd Tel: 2753 8500	Tel: 2753 8500	Brokk Demolition Robots Model: B60, B70, B110, B170, B200, B300, B500, B800S Brokk is a remote controlled demolition robot which can outperform the existing excavators five times as its size. The weight and size of Brokk facilitate its accessibility in locations like narrow spaces and stairs. Through remote control, even the smallest model of Brokk machines B60 can replace manual method of 3 to 5 workers with jackhammers. Workers' safety can be enhanced as they are not exposed to harmful vibrations and other hidden dangers on site. Moreover, Brokk robots are electric driven with no fumes exhausted like conventional excavators, thereby promoting environmental protection. Legend: 15	
PA19-011	Automation and Robotics	O-matic Intelligent Robot Limited Tel: 3705 2998	Tel: 3705 2998	Transbot A wireless control battery-operated Universal Service Vehicle capable of carrying construction materials/tools moving around construction sites with different terrain conditions. Transbot can replace manual handling operation in delivery and unloading of heavy items. It can reduce safety hazards to labours and increase work efficiency. Legend: 14, 15	
PA19-012	Automation and Robotics	China Road and Bridge Corporation Tel: 6483 6280	Tel: 6483 6280	Aquajet Aqua Cutter 710H This is a diesel driven, wireless controlled ultra-high pressure hydrodemolition robot for concrete demolition. It can accurately remove concrete with steel reinforcement undamaged and it provides excellent bond for repair materials in rough and irregular surface. Moreover, it can reduce the vibrations created to the surrounding structure during operation and significantly reduce transmitted sound through the structure. The robot helps minimise injuries. Legend: 15	




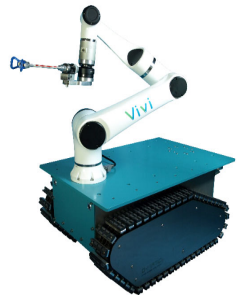
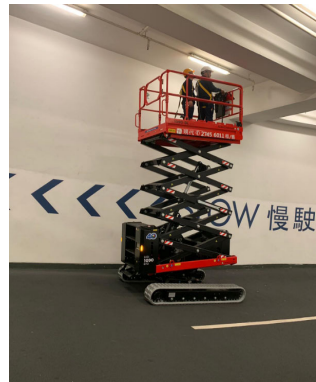
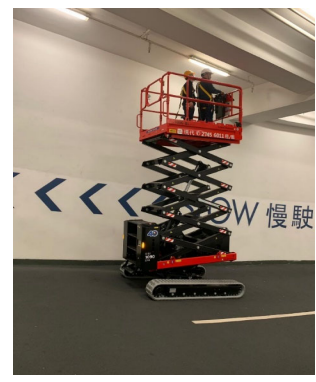
Remarks :

Legend 14 - Locally developed innovations or products

Legend 15 - Safety-related Technologies

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PA19-029	Advanced Tools and Equipment	Hilti (Hong Kong) Limited Tel: 8228 8118	Tel: 8228 8118 (update 10.9.2021)	DST 20-CA Wall Saw This wall saw automates the cutting process. It could be remote-controlled at distances away from the work area by wireless control. Information on the cutting depth displayed on the remote controller screen helps improve safety. With simple setting of job parameters, it can also improve cutting efficiency and accuracy in the cutting process. Legend: 15	
PA19-030	Automation and Robotics	Paul Y. Engineering (H.K.) Limited Tel: 2831 8338	Tel: 2831 8338	Automatic Wall Plastering Machine TUPO 8 E-Control Plus 1000 The product is a remote-controlled automatic wall plastering machine which could apply cement sand plaster automatically to wall upto 5m high (380V 3 Phase model) or upto 3m high (220V 1 Phase model). This product eliminates the need for working at height, improves quality by standardizing the plastering process automatically, allows wider surface of application comparing with manual plastering thereby increasing productivity. Legend: 15	
PA19-031	Sensors and IoT	Beeinventor Limited Tel: 9757 2952	Tel: 9757 2952	Dasloop IoT Smart Helmet with Cloud Based Management Platform This system could track and locate workers in both outdoor and indoor enviroment. Information can be visualised in 3D BIM model in the cloud based management platform. Real-time monitoring could improve the efficiency in site supervision and management. The heartbeat rate and body temperature sensors could provide instant alert through SMS if abnormal readings are detected. The accelerometer sensor could detect accidental fall and motionless conditions so that quick actions could be taken. Users could also press the panic button to call for help in emergency. Collison warning could also be given to workers to minimise injuries. Legend: 14, 15	
PA19-038	Automation and Robotics	O-matic Intelligent Robot Limited Tel: 3705 2998	Tel: 3705 2998	Paintbot A 6-axis collaborative robot with a spraying tool attached to an universal service vehicle (USV) can maneuver at construction sites to handle painting job. The USV with wireless remote control moves the robot into close proximity to painting areas. The robot can then move the spraying tool to spray paint following the programmed trajectory. With the help of Paintbot, workers are kept away from potentially harmful inhalants. Legend: 15	
PA19-039	Advanced Tools and Equipment	Modern (Int'l) Access & Scaffolding Ltd Tel: 2745 6011	Tel: 2745 6011	Electric Scissor Lift Model: ALMAC BIBI 1090-BL ELC The product can be driven and working on slope or uneven and rough terrain. It can save much time for erection and dismantling of traditional scaffold work platform on inclined surface which has to be shifted zone by zone. Compared to traditional scissor platform which can only work on flat and even surface with a maximum of 3-5 degree inclination, it can provide a safe condition for worker even in slopes up to 15 degrees or uneven terrian. Legend: 15	
PA19-040	Advanced Tools and Equipment	Modern (Int'l) Access & Scaffolding Ltd Tel: 2745 6011	Tel: 2745 6011	Diesel Scissor Lift Model: ALMAC BIBI 1090-BL EVO The product can be driven and working on slope or uneven and rough terrain. It can save much time for erection and dismantling of traditional scaffold work platform on inclined surface which has to be shifted zone by zone. Compared to traditional scissor platform which can only work on flat and even surface with a maximum of 3-5 degree inclination, it can provide a safe condition for worker even in slopes up to 15 degrees or uneven terrian. Legend: 15	


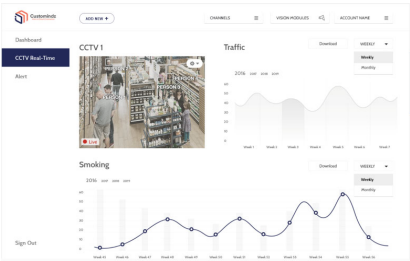


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PA19-041	Advanced Tools and Equipment	Modern (Int'l) Access & Scaffolding Ltd Tel: 2745 6011	Tel: 2745 6011	Diesel / Electric Boom Lift Model: ALMAC JIBBI 1250 EVO, 1250 ELC, 1670 EVO, 1670 LTH This product is an articulated working platform which has a wider coverage than scissor platforms enabling the worker to reach working areas with access difficulties. The product can be driven and working on slope or uneven and rough terrain. It can save much time for erection and dismantling of traditional scaffold work platform on inclined surface which has to be shifted zone by zone. Compared to traditional product which can only work on flat and even surface with a maximum of 3-5 degree inclination, it can provide a safe condition for worker even in slopes up to 15 degrees or uneven terrian. Legend: 15	
PA19-045	Sensors and IoT	Customindz Limited Tel: 9125 3390	Tel: 9125 3390	Artificial Intelligence Computer Vision Cloud viAct This product is a one-stop artificial intelligence and video surveillance platform for equipment, safety and quality detection. This product uses API and graphical user interface, and can perform custom detection and predefined detection. Predefined detection includes detecting: (i) people and facial and body attributes, (ii) objects and (iii) actions. Legend:14, 15	
PA20-006	Advanced Tools and Equipment	Plant & Company Limited Tel: 2736 0223	Tel: 2736 0223	FASSI Hydraulic Truck Crane Model: F820RA.2.28 xhe-dynamic, F1150RA.2.28 xhe-dynamic The truck mounted lifting crane which consists of full-time enabled safe load indicator complies with EN 12999 standard. It can continuously monitor and indicate the Safe Working Load at different outrigger extensions or load lifting conditions of the crane on a real-time basis. It could give safety alert and stop the crane when overload occurs unless it returns to the safe position. Legend: 15	
PA20-019	Automation and Robotics	Robinson Equipment Limited Tel: 2543 7008	Tel: 2543 7008	Wienold-LIFTE Material Lift Model nos.: GML-C/600, GML-C/800, MFC750 Wienold-LIFTE Material Lifts are counterbalanced and electrically driven with remote control for raising loads for glass and material installation. Compared with traditional material lifting method, this product is compact and equipped with different Safe Working Loads and lifting heights. It also eliminates the need for using eye bolts and chain blocks, thus improving productivity and safety in material lifting. Legend: 15	
PA20-020	Sensors and IoT	EBSL Tel: 2345 1882	Tel: 2345 1882	BLAXTAIR Pedestrian / Machinery Anti-collision Camera 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. Legend: 15	
PA20-022	Automation and Robotics	Transforma Robotics Ptd Ltd Tel: +65 65702669	Tel: +65 65702669	PICTOBOT PICTOBOT is an intelligent mobile robot that autonomously scans, plans and paints interior of buildings. Workers can avoid the need for working at height and are kept away from potentially harmful inhalants. Legend: 15	

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PA20-025	Sensors and IoT	SmarTone Mobile Communications Limited Tel: 3128 2467	Tel: 3128 2467	SmartWorks 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. Legend: 15	
PA20-026	Advanced Tools and Equipment	PolyU Technology & Consultancy Company Limited Tel: 3400 2711	Tel: 3400 2711	BIAVE – Bio-Inspired Anti-Vibration Exoskeleton Bio-Inspired Anti-Vibration Exoskeleton (BIAVE) is designed for workers using handheld breakers to prevent hand-arm occupational diseases. It is a passive, non-linear stiffness and damping system which can significantly suppress the vibration transmissibility from vibrating tools to operators without affecting efficiency nor increasing handling complexity. Legend: 15	
PA20-032	Sensors and IoT	Transcendence Company Limited Tel: 2862 1724	Tel: 2862 1724	Ultra-wide Band Wireless Positioning Safety System 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. Legend: 15	
PA20-033	Sensors and IoT	SmarTone Mobile Communications Limited Tel: 9451 4017	Tel: 9451 4017	SmartWorks – Safety Alert System for Temporary Lift Shaft Gate "SmartWorks – Safety Alert System" can provide alerts for unauthorised access to the restricted equipment and areas like lift shaft, which reduce the chance of injuries and accidents at construction site. Legend: 15	
PA20-035	Automation and Robotics	Karmo International Company Limited Tel: 2362 4843	Tel: 2362 4843	Apollo Go Go Trolley Apollo Go Go Trolley is a remote-controlled and electric-powered trolley for delivery of materials in construction sites. It could reduce manual handling of heavy loads to enhance productivity and safety during construction process. Legend: 15	
PA20-051	Advanced Tools and Equipment	Hilti (Hong Kong) Limited Tel: 8228 8118	Tel: 8228 8118 (update 10.9.2021)	Hilti Breaker TE 3000-AVR Hilti TE 3000-AVR is a breaker for concrete demolition. It equips with Active Vibration Reduction technology which reduces worker's effort and increase productivity in heavy demolition. Legend: 15	





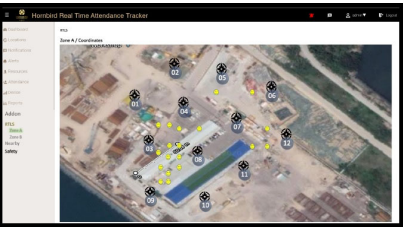
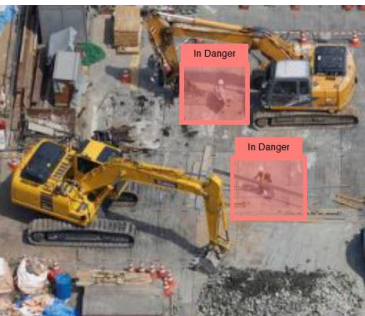
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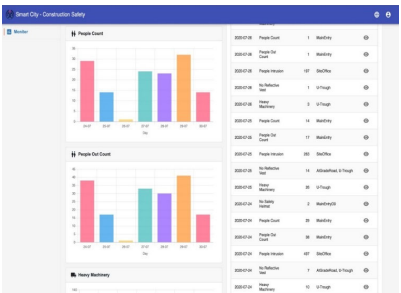
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PA20-052	Advanced Tools and Equipment	Houston Environmental Materials Co. Limited Tel: 2554 1005	Tel: 2554 1005	Heat Shielding Reflective Vest with Nano Coating Technology The reflective vest is made with the nano-metal coated polyester net to reduce the body temperature rise of the wearer under direct sunlight exposure by reflecting the sunlight. The netting design also allows for proper ventilation. Legend: 15	
PA20-055	Sensors and IoT	Beeinventor Limited Tel: 9757 2952	Tel: 9757 2952	UWB Collision Warning System 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. Legend: 14, 15	
PA20-063	Advanced Tools and Equipment	Sky Well Industrial Equipment Company Limited Tel: 3990 6999	Tel: 3990 6999	Cormach Truck Mounted Crane 240000AX E series Cormach Truck Mounted Crane, equipped with Control system level 6 (2016), is capable of showing on the display the calculated value of the lifted load and all key working parameters. The permitted lifting capacity is continuously determined according to the rotation angle, the outriggers positions and the action of the counterweight. Legend: 15	
PA20-073	Sensors and IoT	Kong Chun Construction Machinery Services Centre Limited Tel: 2475 1083	Tel: 2475 1083	I-Vision Smart Monitoring System 5.0 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. Legend: 14, 15	
PA20-085	Sensors and IoT	Hornbird Technology Limited Tel: 6705 0848	Tel: 6705 0848	BLE Material & Attendance Tracker This product is a location and attendance tracker called "meTrack" which consists of "NearBy", "realTime" and "safetyMeter" modules. This Bluetooth based product will help keep track of the exact locations of workers, thereby maximising safety. Legend: 15	
PA20-090	Sensors and IoT	Customindz Limited Tel: 9125 3390	Tel: 9125 3390	Danger Zone Alert Sensing System This product is a sensing system installed on construction vehicles to provide both visual alert on monitor and audio sound alert to the operator when there are pedestrians walking or standing nearby the vehicle, thus ensuring workers' safety during plant operation. This product allows users to adjust the zoning distance. It can also detect default objects (e.g. vehicles) to avoid false alarms. Legend: 14, 15	








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PA20-107	Advanced Tools and Equipment	Elebia Autohooks S.L.U. Website: https://elebia.com/	https://elebia.com/	Elebia Evo Automatic Hook Model: Evo2, Evo5, Evo10, Evo10 Compact, Evo20, Evo25 This automatic hook for lifting is equipped with a magnet and sensor in its lower section that attracts and correctly positions the shackle. The operator can either close the hook by pushing the button remotely, or the hook can close itself when the shackle is correctly placed as assessed by the sensor. Additionally, the hook can also be equipped with a load sensor indicating how much weight it is lifting, its position and the load horizontal alignment. All this information is recorded in its "eMax" remote control that acts as a hub gathering the information and recording the activity of the hook. This information can be processed for data analysis or BIM modelling. Legend: 15	
PA20-109	Advanced Tools and Equipment	Liebherr (HKG) Limited Tel: 3142 3142	Tel: 3142 3142	Liebherr Mobile Crane Model: LTM1060-3.1, LTM1230-5.1, LTF1060-4.1, LTM 1120 4.1 This product is a mobile crane equipped with an patented AI technology called "Vario Base" . It can continuously monitor and indicate the Safe Working Load at variable supporting or load lifting conditions of the crane on a real-time basis. Further to warning alert, the cane will automatically stop when overload occurs until it returns to safe position. Legend: 15	
PA20-113	Advanced Tools and Equipment	China Ascent Engineering Limited Tel: 3173 2722	Tel: 3173 2722	Palfinger Hydraulic Truck Mounted Crane Model PK 37.002 TEC 7, PK 92002 SH, PK 110002 SH, PK 65002 SH This hydraulic truck-mounted crane has features such as P-Profile, High Performance Stability Control (HPSC), HPSC-Plus LOAD function and P-FOLD. The major merits brought by the HPSC system enable real-time Safe Working Load detection at different stabilizer extensions and lifting boom outreachng conditions. Legend: 15	
PA20-115	Advanced Tools and Equipment	Sanroc International (Hong Kong) Limited Tel: 2881 1110	Tel: 2881 1110	Jekko Mini Crane Model: SPX424 CDH, SPX424 C+ Jekko SPX424 is a mini crane for lifting operation equipped with five key features: (a) extendable crawler tracks, (b) digital-multi-proportional remote radio control, (c) automatic stability control, (d) plug and play system control to attach different accessories, and (e) remote and real time crane monitoring using an optional software J-Connect. These five features enable more precise movement and safer lifting operation of the crane. Legend: 15	
PA20-116	Sensors and IoT	XenseTech Limited Tel: 5616 6382	Tel: 5616 6382	EverHigh Precise Positioning & Safety Management System This product uses Ultra-wide Band (UWB) technology to achieve positioning with an accuracy of 10 cm, effectively managing the labor force, monitoring the status and distribution of workers, ensuring worker safety and improving management quality. At the same time, the system provides high-precision alarms through different configurations to reduce common accidents in construction sites and improve site safety. Legend: 15	
PA20-119	Sensors and IoT	Karta-X Technologies Limited Tel: 3619 0620	Tel: 3619 0620	Karta-X AI Assisted Construction Safety Analytic (KACSA) 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. Legend: 15	






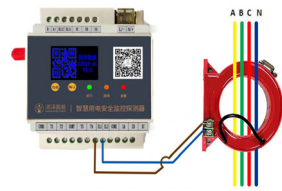


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PA20-121	Advanced Tools and Equipment	Folks Machinery and Equipment Limited Tel: 2649 9282	Tel: 2649 9282	Effer Truck Mounted Crane Model: 525/4S, 525/6S, 525/8S, 685/6S, 685/8S, 685/9S, 955/6S, 955/8S, 955/9S, 1255/6S, 1255/8S, 1255/9S This product is equipped with Stability Control System (Progress 2.0) which can continuously monitor and indicate the Safe Working Load at different outrigger extensions or load lifting conditions of the crane on a real-time basis. Legend: 15	
PA20-129	Advanced Tools and Equipment	Tai Chung Hydraulic Eng. Co. Ltd. Tel: 2443 5592	Tel: 2443 5592	F.lli Ferrari Hydraulic Truck Mounted Crane Model 990 This truck-mounted lifting crane which consists of full-time enabled safe load indicator complies with EN 12999 standard. The Stability Control System enables real-time sensing and indication of the Safe Working Load (SWL) for different outrigger extension conditions. Legend: 15	
PA20-132	Advanced Tools and Equipment	Mak Kee International HK Ltd. Tel: 2396 4107	Tel: 2396 4107	Slingmax 'This product is a synthetic lifting sling with a maximum working load up to 227 tonnes. It has 3 safety features namely 1) 'Check Fast' Inspection System, 2) Fiber Optic Inspection, and 3) Rifled Cover Technology Legend: 15	
PA20-134	Advanced Tools and Equipment	Houston Machinery (China) Co. Ltd Tel: 2241 9627	Tel: 2241 9627	Kato Rough Terrain Crane Model: SL700R KATO (SL-700R) Rough Terrain Crane is suitable for use in special working conditions, such as narrow work site and access road requiring lifting condition to greater height. The Automatic Crane System with voice alarm (ACS), a computer monitoring system, can control the main boom, fly jib or outrigger to prevent human input errors. The ACS can automatically calculate and display the Safe Working Load (SWL) at different strokes of outriggers, and the main boom, fly jib at different angles on a real-time basis to enhance safety. Legend: 15	
PA20-135	Automation and Robotics	B-free Technology Limited Tel: 3704 7069	Tel: 3704 7069	Haulerbot 'This product is a remote-controlled and electrically-powered vehicle that facilitates construction workers to transport objects in all-terrain including staircase. Legend: 14, 15	
PA21-004	Advanced Tools and Equipment	SOHO Mechanical Engineering Company Limited Tel: 6565 0686	Tel: 6565 0686	Italy Comprehensive Loader Crane PM150SP 'This truck mounted crane, equipped with Stability Control System, consists of a full-time enabled safe load indicator. It can continuously monitor and indicate the Safe Working Load at different outrigger extensions or load lifting conditions of the crane on a real-time basis. Legend: 15	
PA21-007	Advanced Tools and Equipment	Sanyo Motors Tel: 2390 0433	Tel: 2390 0433	Copma hydraulic truck-mounted crane Model nos.: 1150.8J6, 1150.10, 2000.9, 820.8, 950.9, 510.8, 650.8, 510.6, 650.6 'This hydraulic truck-mounted crane, equipped with Stability Control System, can continuously monitor and indicate the Safe Working Load at different outrigger extensions or load lifting conditions of the crane on a real-time basis. Legend: 15	

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PA21-020	Advanced Tools and Equipment	PD Technologies Limited Tel: 3695 0998	Tel: 3695 0998	BATCAM2.0 Ultrasonic Sound Camera The product is an ultrasonic and acoustic sound camera for locating gas leakage, electric faults and mechanical issues. Real-time visualisation of sound help to identify various industrial conditions. The sound imagery allows the user to pinpoint both audible and ultrasonic noises that are hard to detect. Legend: 15	
PA21-022	Advanced Tools and Equipment	Hilti (Hong Kong) Limited Tel: 8228 8118	Tel: 8228 8118 (update 10.9.2021)	EXO-01 The product is a wearable non-battery powered upper body exoskeleton focused on overhead applications. The exoskeleton applies a force to the wearer's arms to support overhead work. Legend: 15	
PA21-024	Digitalisation	Letsapp Limited Tel: 5225 4679	Tel: 5225 4679	FireWatcher Fire Alarm Web Application The product is a cloud-based fire alarm system monitoring platform which alerts users of occurrences of fire and/or smoke through mobile application. Legend: 15	
PA21-028	Sensors and IoT	Verdigris Technologies Inc. Taiwan Branch Website : https://verdigris.co/	https://verdigris.co/	Buildings intelligent energy monitoring system This product is a non-intrusive electricity meter for the detection of irregularity in electricity power consumption and visual reports are provided for further energy consumption analysis. Legend: 15	
PA21-031	Sensors and IoT	Transcendence Company Limited Tel: 2862 1724	Tel: 2862 1724	Driver Status Monitor System 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. Legend: 15	
PA21-032	Sensors and IoT	Transcendence Company Limited Tel: 2862 1724	Tel: 2862 1724	Intelligent Electrical System The product assists management staff in the remote monitoring of a construction site's power usage. Both a web portal and mobile app show real-time power consumption figures and reports electrical supply related data to help technicians identify faults in the electrical system. Legend: 15	
PA21-035	Automation and robotics	O-matic Intelligent Robot Limited Tel: 3705 2998	Tel: 3705 2998	Universal Service Vehicle 3.0 The product is a wireless remote-controlled battery-operated Universal Service Vehicle (USV) capable of onsite transportation of materials/ tools. Legend: 15	
PA21-036	Automation and robotics	Epiroc Hong Kong Limited Tel: 2488 0103	Tel: 2488 0103	Diamec Smart 8 This product is a core drilling rig for automatic deep-hole exploration drilling which can be operated by less experienced drillers. With the safety control panel and the automatic 'Rod Handling System', the driller can operate the machine and handle the rods from a distance which improves safety. Legend: 15	






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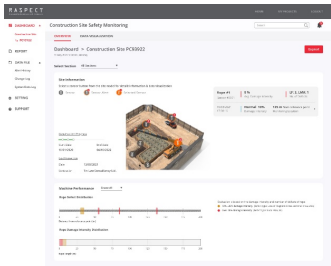
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PA21-038	Advanced tools and equipment	Digital G Limited Tel: 9202 5335	Tel: 9202 5335	Focuslite Ear-Defender The product is an over-ear hearing protection device with hear-through technology and noise reduction capability through monitoring of both exposed and enviromental noises. The collected individual and environmental noise level data can be viewed on the online platform. The user can communicate and remain aware of events nearby by hearing a controlled level of surrounding noises. Legend: 15	
PA21-039	Digitalisation	Ideas & Technology Company Limited Tel: 9313 6043	Tel: 9313 6043	Risk Assessment Conduct Everywhere (RACE) Mobile App This is a mobile app for onsite safety-related staff to carry our risk assessment effectively and share relevant information to the electronic platform with the project team. Legend: 14, 15	
PA21-040	Automation and Robotics	BAUER Equipment HK Limited Tel: 2544 9613	Tel: 2544 9613	Klemm hydraulic handling attachment type Model: HBR120-E2V-350 The product is a hydraulic/ mechanic handling system for casings and drill rods as an attachment kit for excavators of over 5 tonne in weight. Legend: 15	
PA21-043	Automation and robotics	O-matic Intelligent Robot Limited Tel: 3705 2998	Tel: 3705 2998	Jackbot This product is a programmable battery-operated demolition and chiseling robot with remote control. When non-transparent objects entering within 2m radius of the robot, the robot will stop working automatically for safety reason. It can also work for 8 hours after 4 hours of charging time. Legend: 15	
PA21-044	Sensors and IoT	GreenSafety Technology Limited Tel: 2662 6460	Tel: 2662 6460	Package A: Advanced Driving Assistance System (ADAS) + Drowsiness Monitoring System (DMS) Package B: Advanced Driving Assistance System (ADAS) Package C: Drowsiness Monitoring System (DMS) 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. Legend: 15	
PA22-004	Automation and Robotics	O-Matic Intelligent Robot Limited Tel: 3705 2998	Tel: 3705 2998	This product is a remote-controlled and programmable paint spraying robot equipped with 12-axis robotic arm mounted on universal service vehicle (USV). It is suitable for wall or ceiling painting. When non-transparent objects entering within 1m radius of the robot, the USV will automatically stop moving for safety reason. Legend: 15	

Remarks :
Legend 14 - Locally developed innovations or products
Legend 15 - Safety-related Technologies
資料僅供參考，請與供應商聯絡了解詳情。 For reference only. Please contact respective vendors for details.

CITF Safety-related Pre-approved Technologies

Code	Type of Technology	Distribution Channel	Contact	Product Descriptions	Reference Photo
PA22-005	Sensors and IoT	iSafety Limited Tel: 2408 8008	Tel: 2408 8008	A safety management system incorporating artificial intelligence (A.I) and 5G Internet of Things (IoT) technologies. It can provide real-time monitoring and issue instant warnings. Supervisory staff members can receive real-time alert notifications for timely response.	
PA22-011	Sensors and IoT	RaSpect Intelligence Inspection Limited	https://raspect.ai/en/about/contact-us	This product is a platform aimed at monitoring onsite activities and equipment to improve safety. Sensors and cameras on site allows computer analysis on the collected data for the detection and alert of dangerous situations. The analyzed data is shown on a web dashboard with alerts for timely response.	

Remarks :
Legend 14 - Locally developed innovations or products
Legend 15 - Safety-related Technologies
資料僅供參考，請與供應商聯絡了解詳情。 For reference only. Please contact respective vendors for details.