Item	Description	Approved product price (price per unit unless specified)
	PA20-025 SmartWorks	
1	Smart Helmet - SmartHelmet with Location, G-sensor and SOS Button - LoRa WAN Gateway - SmartWorks Tablet for Worker/SmartHelmet Registration - SmarTone LTE SIM	HK$3,307.59
2	LoRa WAN Gateway - Coverage: 5km line of sight; 1km in dense areas	HK$51,500.00
3	Danger Radar - DTU and Warning Anchor - Includes relocation charges for 5 units	HK$20,268.00
4	Helmet Tags for Danger Radar	HK$440.00
5	SmartWorks Tablet - For worker/smart helmet registration	HK$2,000.00
6	PLANET Industrial PoE+ Injector - 2-port 10/100/1000T 802.3at	HK$1,244.00
7	SmarTone LTE SIM (36 months) - LoRa WAN gateway connectivity - Danger Radar connectivity	HK$6000.00 per month
8	Web Management Portal - Cloud VM - 4 Core, 8G RAM, 128HDD - SSL Certificate Fee	HK$80,688.00
9	12MP IR Bullet WizMind Network Camera (DH-IPCHFW71242HP-Z) - 1/1.7" 12 Megapixel progressive CMOS - H.265/H.264/H.264B/H.264H/MJPEG - IP67, IK10	HK$5,275.00
10	DAHUA 16 ch 1U 16PoE AI Network Video Recorder (DHINVR5216-16P-I)	HK$6,888.00
11	Seagate Skyhawk AI Surveillance HDD - 8TB SATA III	HK$1,684.00
12	DAHUA DSS Pro Base License - 64 video channels - Excludes PC	HK$15,000.00
13	Peplink Balance 310 5G - Industrial-Grade M2M 5G Router - 1 x 10/100/1000M WAN & 5 x 10/100/1000M LAN - 1 x Embedded 5G/4G/3G Multi-mode Modem - Includes 1 x 5G & 1 x 4G Outdoor Cellular Antenna	HK$31,568.00
14	Pepwave Max Transit 5G - Industrial-Grade M2M 5G Router - 1 x GE WAN - 1 x GE LAN - 1 x Embedded 5G LTE Modem	HK$13,688.00
15	Fortigate 60F Firewall - Unified (UTM) Protection - Software one-time password tokens for iOS, Android and Windows Phone mobile devices (10 users)	HK$21,888.00
16	PLANET IP30 Industrial Managed Switch - 8-Port 1000T 802.3at PoE + 4-Port 100/1000X	HK$5,188.00

PA20-025 SmartWorks	
Item	Description	Approved product price (price per unit unless specified)
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17	PLANET 48V, 240W Din-Rail Power Supply	HK$778.00
18	SmarTone Data SIM (36 months) - 5G SIM - 4G SIM - 1 X Fixed IP - Unlimited local data	HK$1860.00 per month
19	Professional Services - Project Management - Configuration & Implementation Services - Physical Installation - User Training	HK$138,000.00
20	Environment Station - Noise Level sensor - Wind detection sensor - PM 2.5, PM 10 sensor - Water resistance box	HK$25,000.00
21	Network Equipment - PoE Switch - Water resistance box	HK$2,500.00
22	Cloud Management Portal subscription	HK$3000.00 per month
23	First Time Implementation Services - First time onsite cabling and equipment mounting services o supply and install conduit are excluded o conducted in normal office hours, exact schedule to be agreed o power socket* is provided by customer - SmartWorks account creation and setup - Testing and commissioning	HK$35,000.00
24	8 x 5 x NBD standard technical email and phone support during contract period (15 months)	
25	SmartWorks – Project Management & Solution Setup - Centralized management platform - Account creation and setup for all solution integration - Testing and Commissioning - GPS refreshment rate: One min or above	HK$83,000.00
26	Network Equipment for SmartWorks Solution - LoRaWAN Gateway installation - PoE network switch for LoRaWAN Gateway - LTE connection as data backhaul for connecting SmartWorks platform	HK$20,000.00
27	Smart Helmet Rack with charging cables	HK$125.00
28	Annual Maintenance Service - Hardware Maintenance for Smart Helmet, LoRaWAN Gateway, network switch, tablet during contract period - Wireless Connectivity for SmartWorks Service Platform - SmartWorks Annual Subscription License	HK$48,000.00
29	Implementation & Professional Services	
30	8 x 5 x NBD standard technical email and phone support during contract period	

PA20-025 SmartWorks		
Item	Description	Approved product price (price per unit unless specified)
31	Access Control for Entrance to Basement (Entrance x 2, Turnstile Gate x 2 units/ Entrance, Face Recognition Appliance x 2 units/Turnstile Gate, LTE Router / Entrance) • Face Recognition Access Control Appliance for entrances x 8 units for In & Out direction • Peplink LTE Router (MAX-BR1-LTEA-P-IP67) x 2 units	HK$32,500.00
32	Smart Health Station • FORA IR40 Forehead Thermometer • Automatic Blood Pressure Monitor • Weight Scale TANITA WB-380H • Tablet • BT NFC Card Reader • Furniture (Table & Chair)	HK$37,800.00
33	Cloud Service • Cloud VM - 8 Core 32G RAM, 256G HDD (per year)	HK$90,000.00
34	SmartWorks System Development • SmartWorks Portal Development • Facial Recognition for Access Control Development	HK$550,000.00
35	Site & Basement Infrastructure • 8 Ports Gigabit PoE+ Switch • 24 Ports Gigabit PoE+ Switch • Waterproof case for 8/24 Ports Gigabit PoE+ Switch • Outdoor Dual-band WiFi AP • Smart Gateway with IP66 casing powered by PoE (Cat 5 Cable) • Peplink LTE Router (MAX-BR1-LTEA-P-IP67)	HK$460,000.00
36	Professional Service & Installation • Safety Helmet Sensor installation • On-site equipment installation over project period including: ➢ Supply and Install CAT5 Armour cable (provide power to Smart Gateway) ➢ Supply and Install Armour Electrical cable (provide AC 220V-250V 16A IP67 2P+E 3-Terminal Male Industrial Electrical Plug) ➢ Supply and Install Plastic IP67 equipment box ➢ Supply and Install Pole and Stand for Check-in Tablet ➢ Supply and Install the wall/ceiling mounting for the weather station ➢ Supply and Install the mounting for Smart Gateway and network equipment	HK$863,000.00
37	Connectivity • 4G Connectivity – unlimited local data usage for Peplink LTE Router (per year) • 4G Connectivity – unlimited local data usage for Tablet for Health Station (per year)	HK$300,000.00

PA20-025 SmartWorks		
Item	Description	Approved product price (price per unit unless specified)
38	Implementation & Project Management • SmartWorks Customer Dashboard Governance • Smart Health Platform Development • Wi-Fi Implementation & Tuning • Facial Recognition Access Control System • Integration for Weather Station System • Professional Service & Project Management	HK$397,500.00