Projects with Notice of Completion Issued

As of 1 April 2024, a total of 164 projects have been completed with notice of completion issued:

No.	Description of the Project	Aspect
1	Cloud Platform for Augmented Reality (AR)/Virtual Reality (VR) Content Production and Publication To modify AR/VR-based learning materials in a cloud-based server by tutors so that students can use specially designed mobile apps and devices to access the learning materials.	Education
2	Portable 4K Live Streaming Studio for Fitness Using 5G With 5G, the applicant creates a portable 4K video studio that it can travel to coaches' studios/home or outdoor to do the live streaming.	e-Sports, entertainment and recreation
3	Detection of Unauthorised Access for Tunnel To enhance security of tunnel by installing Internet of Things (IoT) motion detection cameras. All the cameras are connected to cloud-based video analytic engine via 5G network. The solution can analyse video images and send out alert if suspicious objects found in real time.	Transport
4	360 Remote Repairing System To enhance the remote-control repairing service system/platform for industrial machine repair via 5G network.	Repair, maintenance and monitoring
5	Real-time Monitoring of Elevator Safety and Remote Technical Support Solution Provide real-time remote technical support to frontline technicians on elevator maintenance and a 24-hour monitoring system for elevators.	Property and building facilities management
6	Ultra Compact High Efficiency Video Coding (HEVC) for Operation Improvement and Quality Enhancement of a Television Station To adopt HEVC transmitters, a video transceiving platform and a mobile application for live stream video over 5G network to replace microwave transmitting stations.	e-Sports, entertainment and recreation

No.	Description of the Project	Aspect
7	4K Live Video Broadcast Solution To implement a set of 5G 4K live broadcast solution to simulcast concert performance over the Internet.	e-Sports, entertainment and recreation
8	On-site Design with the Support of VR and 5G Technologies To develop a platform which will adopt on-site scanning of interior layout, AR/VR, and 5G technology for the applicant's interior design service.	Design
9	Real Virtuality Remote Car Racing To develop a car racing remote control system that allows players to control a mini motor car from a far remote location.	e-Sports, entertainment and recreation
10	AR-based Booth Design Platform To adopt AR technology to facilitate the communications with clients during exhibition booth design.	Event, conference and exhibition
11	5G-BIM-MR Solution To adopt smart glasses for applicant's consultants, contractors and architects to visualise and edit Building Information Modelling (BIM) through Mixed Reality (MR) at the construction sites.	Construction
12	Collaborative Engineering Design with 5G To make use of VR and AR technologies running on top of 5G to enable collaborative engineering design of remote surgical device.	Medical, healthcare and public health
13	4K Video Conferencing Solution To adopt a 4K video conferencing solution for showing applicant's fabric products to customers. The solution is equipped with 20x zoom capabilities which magnifies the fabric for detailed viewing.	Textile
14	Adopting 5G Technology on Mobile BIM and AR Applications in Building and Construction Sites To develop a mobile application for the use of the three dimensional BIM and AR for on-site building and construction site inspection.	Construction

No.	Description of the Project	Aspect
15	**5G Connected Drone for Radio Base Station (RBS) Inspection** 5G connected drone system for the inspection of RBS.	Telecommunications
16	**MR Remote Maintenance Solutions** To develop and implement MR Remote Maintenance Instruction Solutions with 5G technology so that technicians can give commands and instructions to on-site workers to perform the fieldwork (inspection, repair and maintenance, etc.) via smart glasses.	Repair, maintenance and monitoring
17	**5G Smart Reverse Vending Machine (RVM)** To (1) upgrade the artificial intelligence (AI) recognition system by incorporating 5G technology into the RVM such that pictures of the recycled items taken by the inbuilt camera are transferred to cloud server for real-time analysis and results are then sent back to RVM and (2) to develop a remote monitoring system by utilising the inbuilt camera to monitor the operations of RVM such that technicians at back office can communicate with the on-site staff to carry out maintenance work.	Environmental protection
18	**5G AI Camera Detection and Mobile IoT Sensor for Residence** To deploy a surveillance system at a residential building.	Property and building facilities management
19	**5G 4K Live-Streaming Car for Sport Programmes** To deploy a platform to broadcast live sport events with 4K resolution.	e-Sports, entertainment and recreation
20	**3D learning materials** To deploy AR smart glasses and AR based 3D learning materials for teaching.	Education
21	**5G Enabled Smart Hospital** To deploy 5G enabled network infrastructure at an education institution Medical Centre to enable remote medical training and remote medical consultation.	Medical, healthcare and public health
22	**Real-time Disinfection Station Maintenance Support System over 5G** To deploy AR smart glasses with 5G network in Real-time Maintenance of Disinfection Station.	Repair, maintenance and monitoring

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23	<u>Interior Design with the Support of AR and 5G Technologies</u> To develop a platform which adopts AR and 5G technologies for the applicant's service for construction design projects.	Design
24	<u>Playground Design Service with the Support of AR and 5G Technologies</u> To develop a platform which adopts AR and 5G technologies to enable on-site playground design in real time.	Design
25	<u>5G Wireless Emergency Telephone System with Monitoring Functions for Use in Construction Sites</u> To develop 5G wireless emergency telephone system with cameras to detect unauthorised intrusion and workers not wearing safety helmets in construction sites.	Construction
26	<u>5G Enabled Pet Friendly Zones</u> To deploy a pet monitoring system in a shopping mall using 5G network multi-access edge computing (MEC) technology.	Property and building facilities management
27	<u>Real-time Video Analytics Solution over 5G</u> To deploy a solution using 5G for real time video data analysis for maintenance of the safety of airport runways.	Transport
28	<u>5G Mobile CCTV Cart</u> To deploy a 5G wireless movable CCTV cart to provide better support for property management.	Property and building facilities management
29	<u>4K AR Smart Travel App</u> To develop a smart travel guide service using 5G, AR and mobile application.	e-Sports, entertainment and recreation
30	<u>Co-Living Space Design</u> To develop a platform using AR/VR and 5G technologies for co-living space design.	Design
31	<u>5G Cloud-based Intelligent Car Parking Management System</u> To deploy a system using 5G, cloud-based server and artificial intelligence for recognising vehicle characteristics to enhance car park security, and provide real time parking lots information.	Property and building facilities management

No.	Description of the Project	Aspect
32	5G Cloud-based AI Wildfire Detection System To develop a real-time wildfire detection system using 5G, AI and cloud-based server.	Environmental protection
33	5G Container Loading Optimization Solution To develop a platform which adopts MR and 5G technology for guiding workers on utilising container space more effectively when loading goods.	Logistics
34	Adopting 5G Technology on Real-time Remote Assistance Solution in Building and Construction Sites To develop a platform supporting MR smart glasses and 5G technology to facilitate real-time communication between on-site and off-site teams in a construction site.	Construction
35	5G Application for Cycling Training To develop a mobile application using AR smart glasses and 5G technology to facilitate cycling training and provide real-time training instructions.	e-Sports, entertainment and recreation
36	AR-based Interior Design Application To develop an interior design application which enables clients through AR smart glasses and 5G technology to visualise the 3D design models and indicate their preference.	Design
37	Real-time Remote Monitoring and Maintenance of Vending Machines To develop a remote monitoring and maintenance solution through 5G technology for off-site technicians to remote monitor and repair vending machines.	Repair, maintenance and monitoring
38	Adopting 5G Technology on Trench Sites To develop a mobile application for mapping out underground electricity distribution circuits for rendering 3D models of trench work.	Construction
39	5G Mixed Reality Running System To develop a system with the use of AR smart glasses and 5G technology to facilitate outdoor running events.	e-Sports, entertainment and recreation

No.	Description of the Project	Aspect
40	Long Distance Running 5G Dual-band RFID Chip Timing System To upgrade an existing RFID chip timing system with the use of 5G technology for collection of runners' performance data in long distance running competitions.	e-Sports, entertainment and recreation
41	5G Monitoring and Booking System for Carwashes To develop a camera analytic system and a mobile application which enable customers to monitor carwashes in progress in real time via 5G technology and make service reservation online.	Repair, maintenance and monitoring
42	5G Live Streaming Wedding Platform To develop a platform supporting multi-camera live streaming of a wedding ceremony with other supporting functions so that the guests can attend the ceremony remotely.	Event, conference and exhibition
43	5G Gashapon Machine To develop and deploy gashapon machines with 5G connection for remote monitoring of machine conditions, control of gashapon delivery and instant video communication with users.	e-Sports, entertainment and recreation
44	5G Live Streaming Platform To develop a platform supporting multi-camera live streaming with other supporting functions so that the participants can attend the graduation ceremony remotely.	Event, conference and exhibition
45	5G Live Streaming Platform for Promotion of Science To develop a 5G enabled live streaming platform for promotion of science via online workshops, sharing sessions and seminars.	Education
46	5G AR Glasses for Display of 3D Interior Designs To develop and deploy 5G AR Glasses to enable users to see 3D overlaid furniture and decorations through the AR Glasses for first person perspective display of 3D interior design.	Design
47	5G Cloud-based AI Fire Detection System for Construction Sites To develop a real-time construction sites fire detection and alert system using 5G, AI and cloud-based server.	Construction

No.	Description of the Project	Aspect
48	5G Enabled Controller for Robotic Controlled Applications To develop a controller for off-site engineers to remote control robotic devices for performing building facilities management tasks.	Property and building facilities management
49	5G Live Streaming Platform To develop a platform supporting multiple-camera live streaming with other supporting functions for online marketing events or online programmes.	Event, conference and exhibition
50	5G Live Streaming Auction Platform To develop an auction platform supporting multi-camera live streaming with other supporting functions for online auctions.	Event, conference and exhibition
51	5G Hologram Live Streaming System To develop a hologram live streaming system for two way communication in lectures and seminars.	Event, conference and exhibition
52	5G Video Analytic Solution for Shopping Malls To develop a video analytic solution for real time analysis of shopper traffic statistics in shopping malls.	Property and building facilities management
53	Professional Photogrammetry Services To develop a photogrammetry system using 5G for converting 2D images to high quality 3D images or models in real time.	Design
54	5G Drone Video Live Streaming Platform To develop a platform supporting live streaming using drone with other supporting functions for water sport events.	Event, conference and exhibition
55	5G Customer Flow Analytic System To develop an AI-assisted video analytic system with 3D cameras to provide analysis about customer flow and shopping behaviour to retail shops for marketing planning.	Sales and marketing
56	5G VR/AR Scene Development Platform To develop a platform for creating and demonstrating design projects in VR/AR scenes.	Design

No.	Description of the Project	Aspect
57	Body Temperature and Bib Number Recognition System To develop a system for body temperature detection and bib number recognition using 4K video streaming for outdoor running events.	e-Sports, entertainment and recreation
58	5G Robot for Personalised Advertisements To develop a moving robot which uses cloud computing and facial recognition techniques to deliver personalised advertisements to approaching visitors.	Sales and marketing
59	5G 4K-video Drone Inspection of Radio Based Station (RBS) To develop a 5G drone solution for RBS inspection using real-time 4K video streaming.	Telecommunications
60	AR Protective Helmet To develop a protective helmet solution for AR-based remote support.	Property and building facilities management
61	5G Customer Service Robot To deploy a 5G humanoid robot for provision of concierge service to visitors and patrol service in a shopping mall.	Property and building facilities management
62	5G Construction Site Management System To develop a real-time safety monitoring and alert system using 5G, AI and cloud-based server at construction sites.	Construction
63	5G Smart CCTV System To develop a CCTV system using 5G network MEC technology for deployment in outdoor area.	Repair, maintenance and monitoring
64	XR360° Business Communication System To develop a portable 360° business communication system with extended reality features to facilitate meeting participants for product demonstration and conference.	Event, conference and exhibition
65	VR Classroom To develop a VR classroom hosted in cloud-based server and accessible by VR glasses via 5G network for creative teaching.	Education

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66	4K Live Video Online Class Solution To implement a set of 5G 4K live broadcast solution to simulcast performance, dance classes and outreach programmes over the Internet.	e-Sports, entertainment and recreation
67	5G Real-time Noise Source Identification and Monitoring System for Construction Sites To develop a 5G solution for construction sites in identifying and monitoring noise sources through noise sensitive receivers and real-time 4K streaming.	Construction
68	Virtual Theatrical Performance Platform To develop a platform that combines 5G and AI for students to stage a virtual play at home.	Education
69	Real-time Video Streaming Drone for Construction Sites Management To develop a drone equipped with 4K camera and autopilot function for remote monitoring construction site conditions through real-time video streaming.	Construction
70	Remote Technical Support System for Industrial Printing Machines To develop a remote technical support system with the use of smart glasses to assist the repair and maintenance of industrial printing machines by field staff in real time.	Repair, maintenance and monitoring
71	5G AR Smart Indoor Navigation System for Field Operation To develop an AR indoor navigation system to assist field operation technicians to navigate in real time inside a building for carrying out repair and maintenance services.	Telecommunications
72	5G Underwater Drone System for Dredging To deploy a 5G underwater drone system with 4K camera for real-time dredging engineering, maritime inspection and repair service.	Repair, maintenance and monitoring
73	5G Fitness Training Programme To develop an online coaching system with AI and AR technologies for providing fitness training programmes.	e-Sports, entertainment and recreation

No.	Description of the Project	Aspect
74	5G Telehealth System To develop a telehealth system for medical practitioners to conduct video medical consultation services for patients.	Medical, healthcare and public health
75	5G Campus CCTV System To develop a 5G AI-assisted video surveillance system for enhancing management of campus and security.	Property and building facilities management
76	5G Health Monitoring Device To develop a 5G wearable device equipped with 4K camera for monitoring health conditions of the elderly in nursing homes.	Medical, healthcare and public health
77	5G Interactive Information Board To develop an AI-assisted interactive information board equipped with 4K camera to deliver personalised advertisements to approaching visitors.	Sales and marketing
78	5G Robot Arm for Drilling To develop a movable 5G enabled robot arm with 4K camera for real-time remote drilling in construction sites.	Construction
79	5G Smart Advertising Board To develop a smart advertising board displaying personalised advertisements for approaching users with the designated mobile application.	Sales and marketing
80	5G Smart Vending Machine To develop a smart vending machine equipped with 4K camera for supporting remote control of the machine by technician and providing personalised product information to customers with facial recognition technology.	Repair, maintenance and monitoring
81	5G Monitoring System on Water Pumps and Pipes To deploy a real-time monitoring system for identifying, detecting and diagnosing problems associated with water leakage from water pumps and pipes.	Repair, maintenance and monitoring
82	5G Patrol Robot To deploy a 5G patrol robot enabled with 4K live video streaming and AI to enhance security in exhibition venues.	Property and building facilities management

No.	Description of the Project	Aspect
83	Portable 5G Live Streaming Platform for e-Sports To develop a portable 5G live streaming platform equipped with multiple 4K and high-speed cameras for broadcasting mini four-wheel-drive vehicle racing contest.	e-Sports, entertainment and recreation
84	5G Visitor Analytic System for Events and Retailers To develop an AI-assisted video analytic system to provide analysis about visitor flow and behaviour to event organisers or retailers for operational or marketing planning.	Sales and marketing
85	5G VR Trading Desk To develop a mobile trading desk enabled by VR glasses and 5G for use by professional traders even outside usual workplace.	Finance and insurance
86	5G CCTV Monitoring System for Large-scale Trade Shows To deploy a 5G AI-assisted video analytic system with multiple CCTV cameras for enhancing security and crowd management in large-scale trade shows.	Property and building facilities management
87	5G Remote Real-time Taekwondo Grade Examination System To develop a 5G enabled remote real-time Taekwondo grade examination system for use by examiners and examinees.	e-Sports, entertainment and recreation
88	Security System for Yachts To develop a security system with CCTV cameras and various sensors connected to the Internet and cloud-based server via 5G for real time monitoring of yachts.	Repair, maintenance and monitoring
89	Remote Support System for Events To develop a remote support system for sport events which provides remote support to frontline helpers via smart glasses and monitors health condition of athletes via smart wrist bands.	Medical, healthcare and public health
90	5G Live Commerce as-a-Service To deploy a 5G enabled live-streaming system with high definition cameras for conducting live commerce as-a-service to merchants at trade shows.	Sales and marketing

No.	Description of the Project	Aspect
91	Gate Security System for Container Port To deploy high definition optical and thermal cameras with AI-assisted video analytic system at gate area of a container port for detection of unauthorised access.	Transport
92	Remote Technical Support System for Machinery Repairing To develop a remote technical support system with the use of smart glasses to assist field technicians in machinery repairing.	Repair, maintenance and monitoring
93	Remote Medical Support System To develop a remote medical support system with the use of smart glasses to assist medical professionals to remote assess patient conditions and provide first aid advice.	Medical, healthcare and public health
94	5G Smart Video CCTV System To develop a 5G-enabled and AI-assisted video surveillance system to enhance security of private premises.	Property and building facilities management
95	Electronic Price Label and Advertising System To develop a sales system comprising electronic labels for showing prices of products on shelves, and display panels for displaying video advertisements and providing customer enquiry service through video calls.	Sales and marketing
96	5G Smart Environmental Monitoring System To develop a system equipped with 5G, 4K camera, air-quality and chemical sensors for real-time analysis of pollutants and reporting of environmental data in environmental monitoring points.	Environmental protection
97	8K Live Broadcasting System To launch a live streaming system utilising 5G technology to enable audience to enjoy live events in 8K high quality and 360 degree view.	e-Sports, entertainment and recreation
98	Smart Glasses for Visually Impaired To develop a pair of smart glasses equipped with AI-assisted video analytics to speak out text and to recognise objects for the visually impaired.	Medical, healthcare and public health

No.	Description of the Project	Aspect
99	Surveillance System for Transitional Housing To develop a 5G AI-assisted video surveillance system with 4K cameras for enhancing security of transitional housing.	Property and building facilities management
100	Monitoring Access to Road Tunnel with AI Video Analysis To develop a system with 5G-edge AI-assisted video analytics to monitor unauthorised access to the road tunnel concerned.	Transport
101	5G CCTV Surveillance System To develop a 5G-enabled and AI-assisted video surveillance system for enhancing the security along the coastline and nearby hillside of the residential areas concerned.	Property and building facilities management
102	5G Robot for Delivery of Building Materials To develop a 5G remote-controlled robot for delivery of building materials in construction sites.	Construction
103	5G Robots for Monitoring Body Temperature To develop two 5G-enabled robots for continuous and contactless screening of visitors' body temperature in medical clinics.	Medical, healthcare and public health
104	5G Music Collaborations System To develop a 5G music collaborations system with voice analysis feature for students at different locations to rehearse and perform music together over the Internet.	e-Sports, entertainment and recreation
105	5G Live Marketing and Security System To develop an AI-assisted video analytic system to provide analysis about visitor flow and behaviour for outdoor events to facilitate marketing planning and premises security management.	Sales and marketing
106	5G-enabled and AI-assisted Safety Monitoring System in Construction Sites To develop a 5G-enabled and AI-assisted video analytic CCTV system and a customised software platform that support live video streaming and image analytics for monitoring work safety in construction sites.	Construction

No.	Description of the Project	Aspect
107	Mobile CCTV Stations for Outdoor Locations To develop and deploy a mobile CCTV system enabled with 5G technology and AI-assisted image analytics which can be flexibly deployed at various outdoor locations, and can extend coverage of CCTV system.	Property and building facilities management
108	5G-enabled Virtual Campus for Tuition Classes To develop and deploy a virtual campus system accessible by VR glasses via 5G network for tutors to conduct lessons with three-dimensional teaching materials in the metaverse.	Education
109	5G Robotics Solution in Property Management To deploy a 5G-enabled robot which can perform concierge service for visitors and patrol service in a shopping mall to enhance customer satisfaction and operational efficiency.	Property and building facilities management
110	5G AI Video Analytics System for Shipyard Operations To develop and deploy a 5G-enabled AI-assisted video analytics system for enhancing the operational efficiency and security at the shipyard.	Transport
111	5G Smart Building Solution To develop a 5G-enabled and AI-assisted video analytic building management solution for surveillance of restricted areas for visitors.	Property and building facilities management
112	Smart 5G Monitoring System for Road Safety To develop a 5G-enabled and AI-assisted video analytic driver monitoring system which monitors drivers' attention and road conditions for enhancement of road safety.	Transport
113	5G AI-assisted Video Analytic Safety Monitoring System To develop and deploy a 5G-enabled and AI-assisted video analytic CCTV system and a customised software platform that support live video streaming and image analytics for monitoring work safety of frontline workers during goods lifting on crane trucks.	Logistics
114	5G Parking Bay Management System To develop and deploy a parking bay management system supported by 5G and AI-assisted video analytic cameras at gates to enhance the operational efficiency of Airport Freight Forwarding Centre.	Transport

No.	Description of the Project	Aspect
115	5G Safety Solution for Crane Lorries To develop a 5G-enabled and AI-assisted video analytic system for monitoring lorry drivers' behaviours and safety of crane operation.	Construction
116	5G Robot for Environmental Hygiene To deploy a robot equipped with cameras, Lidar and other sensors for spraying mosquitos repellent in large outdoor areas for enhancing environmental hygiene.	Medical, healthcare and public health
117	5G MR Outdoor Fitness Training System To develop a 5G-enabled MR fitness training system with the use of MR smart glasses and motion detection cameras for outdoor fitness training.	e-Sports, entertainment and recreation
118	Intelligent Animal Monitoring System To develop and deploy an AI-assisted high resolution aquatic animal monitoring system to facilitate aquatic animal research.	Repair, maintenance and monitoring
119	Safety Monitoring Solution for Swimming Pools To deploy a 5G-enabled and AI-assisted video analytic monitoring system for detection of incidents about drowning or falling of swimmers at swimming pools.	e-Sports, entertainment and recreation
120	Smart Robots for Disabled Students To deploy 5G-enabled robots to improve learning and communication skills of students with disabilities at special schools.	Education
121	AI Wakeboard Coaching System To develop and deploy a 5G-enabled wakeboard coaching system to analyse postures of wakeboard riders using AI-assisted video analytics to facilitate their self-learning.	e-Sports, entertainment and recreation
122	5G Gymnastics Scoring and Judges Training System To develop a real-time scoring system with video streaming function for gymnastics competitions and judges training.	e-Sports, entertainment and recreation

No.	Description of the Project	Aspect
123	Sustainable Farming Development by AI Smart Farm Technology To develop and deploy a 5G smart farming system using hydroponics technology for STEM education to promote multi-disciplinary science experiments and learning.	Education
124	5G Waterbird Detection System To develop and deploy a 5G-enabled AI-assisted video analytic system for detecting the presence of selected species of waterbirds at their inhabited areas in Hong Kong.	Environmental protection
125	5G Construction Safety Monitoring System To develop and deploy a monitoring system with AI-assisted image analytics for monitoring safety of renovation works at construction sites of small house development.	Construction
126	5G Smart Site Safety Monitoring System To deploy a 5G safety monitoring system with AI-assisted image analytics to assist safety managers in monitoring construction site safety and prevention of accidents.	Construction
127	5G Guided Suspension Working Platform To develop an AI-assisted video analytics guided suspension working platform for enhancement of work-at-height safety in lift shafts.	Property and building facilities management
128	Smart Health Station To develop an AI and 5G-enabled health station for telemedicine, comprehensive health checking and cataract test.	Medical, healthcare and public health
129	Access Control Monitoring System for Construction Sites To deploy a 5G-enabled and AI-assisted video analytic monitoring system for enhancing construction site access control and security.	Construction
130	AI-assisted Underwater System for Fish Monitoring To develop and deploy an AI-assisted high resolution fish monitoring system to facilitate fish farming.	Agriculture, forestry and fishery

No.	Description of the Project	Aspect
131	5G Robot for Outdoor Disinfection and Watering Plant To deploy a robot equipped with cameras, Lidar and other sensors for spraying disinfectant/ water in large outdoor areas for disinfection or watering flowerbeds.	Medical, healthcare and public health
132	5G Autonomous Drone System To upgrade an existing drone with 5G connectivity and develop a docking station for live streaming.	Repair, maintenance and monitoring
133	5G Driving Behaviour Analysis System To develop a 5G-enabled and AI-assisted video analytic system, which monitors the road conditions and collects driving data for insurance companies to analyse behaviour of drivers.	Finance and insurance
134	5G Robot for STEM Education and School Management To develop and deploy two robots with AI-assisted image analytics for facilitating STEM education and enhancing security management of campus.	Education
135	AI-Assisted Safety Analytic System in Construction Site To develop and deploy a 5G-enabled and AI-assisted CCTV system and a customised software platform that supports live video streaming and image analytics for monitoring work safety in construction site.	Construction
136	5G Drone System for Property Management To develop and deploy a 5G-enabled drone system for patrolling over large-area commercial parks, construction sites or residential blocks.	Property and building facilities management
137	5G Building Renovation Safety Monitoring System To develop and deploy a 5G-enabled construction site safety monitoring system for large scale renovation sites such as industrial buildings, etc.	Construction
138	5G Smart Village Surveillance System To deploy a 5G-enabled and AI-assisted smart CCTV surveillance system for enabling smart village management.	Property and building facilities management

No.	Description of the Project	Aspect
139	**5G Safety Management System for Multiple Construction Sites** To deploy a 5G-enabled centralised construction site safety monitoring system for construction projects in different locations managed by the Grantee.	Construction
140	**5G Social Robots for Autism Spectrum Disorders (ASD) students** To deploy two 5G-enabled social robots with AI-assisted image analytics for facilitating preliminary assessment and training of social skills of ASD students.	Education
141	**5G Bus Terminus Safety System** To develop and deploy a 5G-enabled and AI-assisted video analytic safety system for real-time monitoring of condition inside the bus terminus and generation of safety alerts.	Transport
142	**Smart Wild Boar Detection System** To develop and deploy a smart wild boar detection system for the farming sector.	Agriculture, forestry and fisheries
143	**5G Scoring System for Ving Tsun** To develop a real-time scoring system with video streaming function for Ving Tsun (as a martial art) competitions and remote training.	e-Sports, entertainment and recreation
144	**5G Enabled Carpark Solution for Shopping Mall** A 5G enabled carpark solution for automatic entry and touchless parking experience in a shopping mall.	Property and building facilities management
145	**5G Enabled Carpark Solution for Shopping Mall** A 5G enabled carpark solution for automatic entry and touchless parking experience in a shopping mall.	Property and building facilities management
146	**Remote Monitoring Bus Passenger Flow with AI Video Analysis** To develop and deploy a people counting system with 5G AI-assisted image analytics to count the queuing passenger volume at bus interchange stations.	Transport

No.	Description of the Project	Aspect
147	5G Driver Behaviour and Road Safety Monitoring System To develop a 5G-enabled and AI-assisted video analytic system, which monitors the driver behaviours and road conditions for use by taxi rental companies and insurance agencies.	Transport
148	AI based Quality Control in Electronics Product Manufacturing To develop a 5G AI remote-controlled and monitoring system for quality control of electronic products manufactured with surface mount technology.	Manufacturing
149	5G-enabled Virtual Campus for English Classes To develop and deploy a virtual campus system accessible by VR glasses via 5G network for teachers in secondary school to conduct English lessons in the metaverse.	Education
150	Smart Robots for Disabled Students To deploy 5G-enabled robots to improve learning and communication skills of students with disabilities at special schools.	Education
151	AI-assisted Robotic Fish System for Monitoring Fish Farming and Water Quality To develop and deploy a 5G AI-assisted fish farming monitoring system to monitoring quality of water and fish condition in fish ponds.	Agriculture, forestry and fishery
152	5G Monitoring System for School Buses To develop and deploy a monitoring system for passenger safety on mass transit vehicles such as school buses.	Transport
153	5G Patrol and Disinfection Robot To develop and deploy two robots equipped with 4K cameras and connected to cloud via 5G for AI-assisted image analysis to perform disinfection and security patrol functions in a shopping arcade.	Property and building facilities management
154	Work Orders Management and Real-time Remote Repair Support System To develop and deploy three sets of 5G enabled smart glasses for use by field engineering staff for handling work orders of malfunctioned machines, seeking real-time remote technical support and advice from senior engineers at the back office.	Repair, maintenance and monitoring

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155	5G-enabled Monitoring System for Advertising Production To develop and deploy a live streaming system consisting of 4K recoding equipment and wireless transmission system connected by 5G for monitoring advertisement production process.	Sales and marketing
156	5G-enabled Virtual Campus for Life Education To develop and deploy a virtual campus system accessible by VR glasses via 5G network for secondary school teachers to conduct life education lessons.	Education
157	5G Patrol and Incident Management Robot To develop and deploy a robot equipped with 4K cameras and connected to cloud via 5G for AI-assisted image analysis to perform patrol, inspection and incident management inside the confined cable tunnel.	Repair, maintenance and monitoring
158	5G Live Performance Broadcasting Platform To develop and deploy a live-streaming platform with five cameras for shooting at different angles and broadcasting in real time via 5G for subscribers to view the live performance and select the viewing angles remotely.	Sales and marketing
159	5G-enabled Outdoor Patrol Robot To develop and deploy a robot equipped with cameras, Lidar, sensors and connected to cloud via 5G for AI-assisted image analysis to support patrolling in outdoor areas, monitoring air quality and collection of water samples.	Property and building facilities management
160	5G remote-controlled Rubber-Tyred Gantry Cranes To develop and deploy six 5G-enabled remote-controlled Rubber-Tyred Gantry Cranes ("rRTGCs") equipped with high resolution cameras and wireless transmission system connected by 5G to support live video streaming for remote control the movement of the concerned rRTGCs and service operation monitoring in container ports.	Logistics
161	Meta Film Solution for Enhancing in-building 5G Coverage To develop and deploy a meta file solution to support in-building applications via 5G technology to the cloud-based AI analytic server through antenna and access points being placed in indoor environment, such as crane control cabin or building under construction.	Construction

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162	<u>5G Boxing Scoring and Judges Training System</u> To develop a real-time scoring system with video streaming function for boxing matches and training of judges.	e-Sports, entertainment and recreation
163	<u>5G-enabled Dump Truck Scale System</u> To develop and deploy a 5G-enabled dump truck scale system with video streaming and AI-assisted image analytics functions for monitoring loading of dump trucks departing from a construction site and generating alerts if detecting overload.	Construction
164	<u>5G Surveillance System for Berth Operation</u> To develop a surveillance system equipped with high resolution surveillance cameras connected by 5G for AI-assisted image analysis on quay cranes for monitoring service operation and detecting intruders entering the berth area in container terminals.	Logistics