Press Release
For Immediate Release

Cyberport Low-Altitude Economy Exhibition Unveils Cutting-edge Drone Technologies to Unlock Greater New Quality Productive Forces and Broaden Strategic Emerging Industry Opportunities

Hong Kong, 9 May 2025 – In response to the SAR Government's initiatives to promote the development of strategic emerging industries and seize new opportunities in the low-altitude economy (LAE), Cyberport is hosting a two-day **Low-Altitude Economy Exhibition** from 9 to 10 May, with the opening ceremony held today. Distinguished guests included **Simon Chan, Chairman of Cyberport**; **Elizabeth Quat, LegCo Member and Founding President of the Greater Bay Area Low Altitude Economy Alliance**; **Ir Prof Frank Chan, Vice President of the Hong Kong Institution of Engineers**; and **Sean Lee, Executive Consultant of China Mobile Hong Kong Limited**. The exhibition features 12 exhibitors showcasing innovative applications in the LAE sector, several of which have been included in the SAR Government's LAE Regulatory Sandbox pilot projects.

Simon Chan, Chairman of Cyberport, remarked at the opening ceremony, "As one of the growth engines of the national strategic emerging industries and new quality productive forces, the LAE offers vast application scenarios. The LAE not only spurs the creation of a series of industries but also drives breakthroughs in core technologies such as Artificial Intelligence (AI) and cybersecurity, injecting fresh momentum into Hong Kong's innovation and technology sector. With its rapid development, the LAE is set to nurture a complete industrial chain encompassing airspace management, machine maintenance, and professional talent training. Looking ahead, the completion of Cyberport 5 will further enhance our LAE infrastructure, providing comprehensive support for industry growth, enabling enterprises to seize innovation opportunities, and contributing to the city's high-quality economic development."

The event began with a spectacular drone show by the exhibitor, **OWOWWW Creative**, followed by in-depth discussions among industry experts and representatives of exhibiting organisations on topics including Hong Kong's LAE development, ecosystem, and the technical applications of the Sandbox projects. These discussions offered valuable insights into the future development of the industry.

The exhibition features a diverse and representative lineup of participants, some of whom have been included for the SAR Government's LAE Regulatory Sandbox pilot projects. These include **Alpha AI**, a Cyberport community start-up that integrates drone and AI technology for inspecting ageing buildings; **SF Express (Hong Kong)** and **OWOWWW Creative**, both of which will conduct pilot projects at Cyberport's vertiport; **CLP Power** and **Esri China (Hong Kong)**, a geographic information system provider. Some exhibitors are

collaborating organisations for the LAE Regulatory Sandbox, including the **Electrical and Mechanical Services Department**, **The Hong Kong Polytechnic University**, and **FlightPro**, a drone consultancy. Additionally, the **Vocational Training Council**, **Hong Kong Observatory**, **Kwoon Chung Bus**, and **R2C2 Robotics**, another Cyberport community start-up, are also participating in the exhibition, collectively showcasing the innovative application potential of LAE.

On the same afternoon, the workshop on the low-altitude economy, co-organised by the Project Facilitation Task Force under the Working Group on Developing the Low-Altitude Economy and Cyberport, was held. The workshop focused on the latest technological research and development, as well as prospects for the growth of the low-altitude economy in Hong Kong. Representatives from the Transport and Logistics Bureau, the Civil Aviation Department, and the Lands Department, along with experts from esteemed local universities, shared their valuable insights with participants on the latest technological advancements, research outcomes, and industry trends, fostering and advancing the growth of Hong Kong's low-altitude economy.

Cyberport was appointed by the SAR Government as a venue partner for the LAE Regulatory Sandbox, providing suitable venues and facilities for various pilot projects. Three Cyberport community companies have successfully been selected for the LAE Regulatory Sandbox pilot projects, along with two other companies, to conduct pilot plans at Cyberport.

Cyberport features expansive outdoor and waterfront spaces, located away from drone flight restriction zones, making it an ideal takeoff and landing point for drones. Meanwhile, the campus is equipped with advanced IT and communication infrastructure, including the Artificial Intelligence Supercomputing Centre (AISC) launched last year. The AISC provides secure and high-performance computing power to support the spatial data applications of the pilot projects, accelerate AI technology development, and enable intelligent upgrades. Cyberport also offers areas with diverse terrains and development densities, creating a wide range of simulated application scenarios to support various low-altitude flight tests. Looking ahead, with the completion of Cyberport 5, the pier at Cyberport’s waterfront park will be equipped with additional power infrastructure to support more drone charging facilities, medium-sized unmanned aircraft take-off and landing points, and maintenance facilities. These enhancements aim to further advance related applications and promote low-altitude economy activities.

As a supporting organisation of the Greater Bay Area Low-altitude Economy Alliance, Cyberport actively engages with various industry organisations and start-ups to explore collaboration opportunities, including partnerships formed last December with KC Smart Mobility and EHang to jointly promote the research and application of electric vertical take-off and landing (eVTOL) aircraft. Cyberport start-ups are also actively developing a diverse range of innovative drone applications, covering geographic information systems, construction and environmental surveying, logistics delivery, drone programming, and more. Currently, Cyberport brings together approximately 400 start-ups focusing on R&D of AI and

data science, IoT, and robotics to support the development of low-altitude traffic systems and other LAE applications. Moreover, 30 leading technology companies and start-ups at Cyberport specialising in cybersecurity contribute to enhancing network and data security within the campus, providing a secure, stable, and efficient environment for drone applications.

Cyberport will proactively collaborate with the Government to explore low-altitude flight application scenarios, aiming to promote smart transportation and logistics, as well as cultural tourism and other strategic emerging industries through pilot projects. This initiative will activate low-altitude airspace as a new economic production factor, unlocking greater development potential across various industries, creating digital economic benefits for Hong Kong, while optimising smart living and delivering inclusive value to the general public.

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Please click here to download high-resolution photos and videos, the drone demonstration video at the Cyberport vertiport. Click here to download Cyberport campus photos and video footage.

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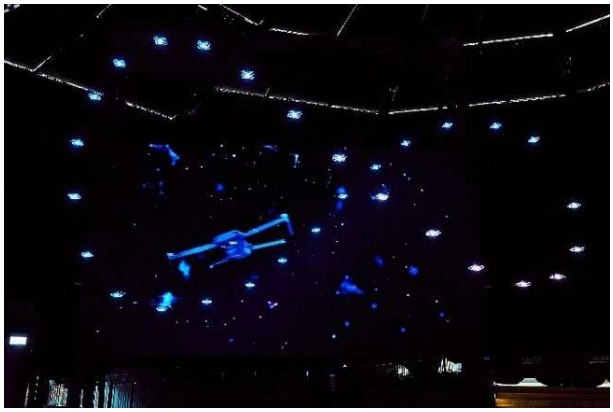
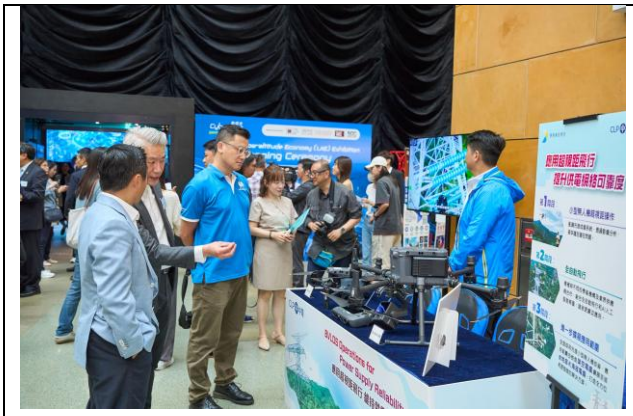


The event began with a spectacular drone show by the exhibitor, **OWOWWW Creative**.

Industry leaders and companies selected in the LAE Regulatory Sandbox shared insights on the LAE future development.

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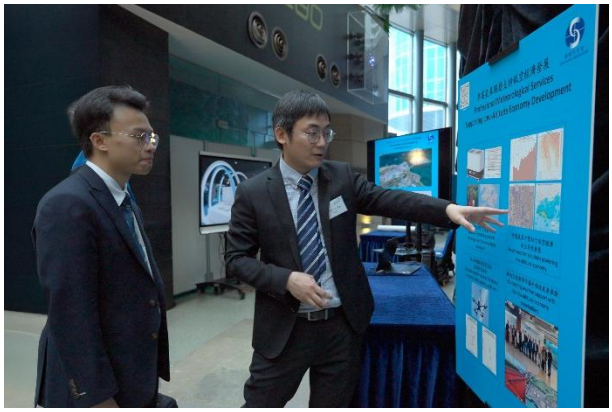

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Appendix: List of Cyberport LAE Exhibition booth descriptions

Exhibitors	Description
ALPHA AI	Cyberport incubatee Alpha AI's showcase was selected into the "**Low-Altitude Economy Regulatory Sandbox**" and will launch the pilot project "Automatic Drone AI Inspection with Intelligent LAE Infrastructure", utilising locally developed AI and 3D technology for sloping defect identification, building/infrastructure maintenance checks, and security patrols through automated drone operations. The high-resolution drone imagery can provide first-responders with un-precedented situational awareness. The solution can minimise risks by reducing the need for human patrols in hazardous areas. Alpha AI joined Cyberport's "Smart-Space PropTech" in Fanling in 2023 and participated in the "PropTech Proof-of Concept (PoC) Programme" jointly organised by Cyberport and the Hong Kong Housing Society, using drones to capture building photos and AI to precisely identify damaged areas, providing an efficient and cost-effective solution for property management companies.
CLP Power Hong Kong Limited (CLP Power)	CLP Power has an extensive transmission and high-voltage distribution network. In recent years, CLP Power has set up a small unmanned aircraft (SUA) team, which uses aerial photography to inspect overhead lines and towers to enhance the monitoring and management of outdoor power supply facilities. The use of drones can quickly survey large areas, collect real-time

	data, rapidly identify external interference risks, and detect fault locations, significantly improving operational efficiency. CLP Power's **Beyond Visual Line of Sight (BVLOS)** operations for the inspection of overhead lines and towers is among the first batch of selected projects of **"Low-altitude Economy Regulatory Sandbox Pilot Project"**. Under the framework of the Low-altitude Economy Regulatory Sandbox, the Civil Aviation Department will relax the existing restrictions on BVLOS operations to allow drones to fly outside the remote pilot's line of sight. CLP Power expects the pilot project to bring about nearly a fourfold increase in the efficiency of inspecting overhead lines and towers. Trials of the different routes will allow CLP Power to assess the feasibility, safety, and efficiency of BVLOS operations for inspecting critical power infrastructure in diverse landscapes and at various voltage levels. CLP Power will continue to explore expanding the application of innovative SUA applications to further enhance the management of the power grid and supply reliability.
Electrical & Mechanical Services Department (EMSD)	Enhancing Location Tracking with GWIN-on-Drone The Electrical and Mechanical Services Department (EMSD) is actively explore innovative applications that combine drone technology with the Internet of Things (IoT) to promote smart city development. EMSD has developed a new IoT tracking solution for outdoor activity safety, which won the Gold Medal with Congratulations of Jury prize at the 50th International Exhibition of Inventions of Geneva in April 2025. This solution is designed for positioning people engaging in outdoor activities especially in rural areas. It uses drone to carry a lightweight Government Wide IoT Network gateway (GWIN-on-drone) to act as airborne IoT signal gateway, providing IoT network coverage in remote areas with weak or no network signal. This enables the system to offer location tracking and SOS functions even in these areas. In case of an accident or emergency, users can press a distress button on the tracking device, and through the GWIN-on-drone, the system can pinpoint the location of the person in need, improving rescue operation efficiency. The system has been successfully tested in various scenarios such as cross-country orienteering, water activity, and paragliding, with plans to expand its application to even more outdoor activities and promote the development of the low-altitude economy in future. Remarks: Government Wide IoT Network (GWIN) is a government dedicated IoT network installed in Hong Kong by Electrical & Mechanical Services Department.

ESRI China Hong Kong	A smart, real-time, and scalable drone platform for Hong Kong's future airspace management Esri China (Hong Kong) supports Hong Kong's **Low-Altitude Economy Sandbox Programme** with a powerful GIS-based platform that enables full-cycle drone operations—from flight planning and mission coordination to real-time awareness and intelligent analytics. Built on the ArcGIS and GeoAI framework, the solution supports a range of applications including site inspection, asset monitoring, and urban logistics, helping government and industry partners operate drones more safely and efficiently in complex urban environments. In collaboration with the Environmental Protection Department (EPD), Agriculture, Fisheries and Conservation Department (AFCD), and the Civil Aid Service (CAS), the platform offers: • *Real-Time, Low-Latency Situational Awareness* Live map monitoring of drone locations, risk zones, and mission progress for better safety and control • *Mission Management and Advanced Flight Control* Plan and manage UAV missions while supporting complex urban flight commands • *Centralised Fleet Management* Coordinate and monitor multiple UAVs across different tasks in a unified platform • *Sensor Fusion for Smart Navigation* Combine inputs from radar, vision, and ultrasonic sensors to support future autonomous flight • *Remote Connectivity* Support for 4G/5G networks enables remote monitoring, planning, and command of drone operations • *Automated Data Pipeline with AI Insights* Quickly process aerial imagery and point cloud data, detecting changes or potential risks automatically • *Modular Expansion and Multi-UAV Compatibility* Ready to integrate AI computing and special payloads such as hyperspectral or gas sensors; compatible with multi-rotor, VTOL fixed-wing, and helicopter UAVs • *Operational Analytics & Reporting* Visualize mission results and generate actionable insights through dashboards and reports

FlightPro Drone Solutions	FlightPro Drone Solutions – Revolutionizing Facade Cleaning with Drones FlightPro tackles "uncleanable" challenges for Hong Kong's unique buildings and architecture with its purpose-built facade-cleaning drone, featuring: • Interchangeable nozzle system (wide-angle soft wash and high-pressure spot wash) • Telescopic spray arm for hard-to-reach areas • Multi-head downward spray arm for solar panels and glass canopies The ground supply cart will be on display, demonstrating its role in managing water, cleaning agents, and pressure during operations. Key Benefits: • Reaches up to 100m (subject to regulatory approval) – Cleans medium and low-rise buildings without scaffolding • Safer – Eliminates risks for workers at height • 6,000 sq.ft/hour efficiency – Faster than traditional methods • Eco-friendly – Uses purified water and biodegradable detergents
Hong Kong Observatory	The Hong Kong Observatory is committed to support the development of Low-Altitude Economy in Hong Kong by delivering professional meteorological services. Weather plays a critical role in ensuring the safety and efficiency of LAE operations. To address this needs, the Observatory will enhance its capabilities and services across four key pillars: (1) Advanced weather monitoring systems, (2) Smart weather solutions, (3) Compact weather sensors for drones and (4) Weather support co-created with LAE stakeholders.
Kwoon Chung Bus (KCM)	KC Smart Mobility, a subsidiary of Hong Kong's largest non-franchised bus and limousine operator, Kwoon Chung Group, is committed to pioneering innovative smart mobility solutions. Leveraging the Group's strengths, the company is actively developing cutting-edge technologies, including autonomous buses and taxis, unmanned delivery vehicles, and eVTOL (Electric Vertical Take-Off and Landing) aircraft for passenger and logistics services. KC Smart Mobility collaborates with EHang in air mobility technology, as the exclusive agent in Hong Kong and Macao, exploring the application of new transportation vehicles. Both parties are jointly promoting the innovation and development of urban transport. The eVTOL EH216-S, developed by global urban air mobility (UAM) leader EHang (Nasdaq: EH), has obtained the world's first eVTOL type certificate, production certificate, and standard airworthiness certificate from the Civil Aviation Administration of China. This groundbreaking technology will provide

	safe, efficient, and eco-friendly aerial mobility solutions for Hong Kong and beyond, leading the future of transportation both locally and globally.
OWOWWW	OWOWWW showcase was selected into the **"Low-Altitude Economy Regulatory Sandbox"** and will conduct a trial project to test the performance, stability and connectivity capabilities of various drone systems. The project aims to improve drones' resistance to diverse weather, landscape conditions and ionospheric disturbances, with plans to facilitate stable and reliable land and sea platform for routine and emergency take-off, landings and re-supply stations for Small Unmanned Aircraft (SUA) and larger industrial drones. Key tests and data collection tasks include drone payload, connectivity, operational durability, Beyond Visual Line of Sight (BVLOS) testing, signal stabilisation solutions, marine environment testing, and landscape survey system testing. The project also involves developing routine drone traffic control protocol, traffic control systems, safety and incident response protocols.
Hong Kong Polytechnic University (PolyU)	PolyU presents innovative projects at the exhibition, showcasing their advancements in autonomous systems and robotics: 1. Aerial Vehicle Carrier (AVC) A collaborative system between an aerial vehicle carrier and small-scale drones to address limited flight endurance caused by onboard battery constraints, enabling longer and more complex missions in applications such as surveillance, delivery, and environmental monitoring. 2. Last-Centimeter Drone Delivery in Urban Environments: Drone flight in urban areas faces challenges due to unreliable GNSS services. This innovation combines hardware and algorithms, allowing drones to deliver parcels directly to apartment balconies using LiDAR technology without manpower. Key features include: • An advanced perception algorithm for precise localization. • A LiDAR-based obstacle detection algorithm that adapts to various scenarios without pre-training. • A robust control algorithm ensuring stability and safety in disturbances like wind. • This comprehensive solution integrates cutting-edge technologies, enabling seamless parcel delivery and safe drone operations in urban environments for various applications. 3. Intelligent Two-Wheeled Leg Robot: A compact two-wheeled leg robot hardware and software system designed to enable the robot to achieve autonomous navigation in urban environments with strong adaptability. Typical application areas include security patrols, terrain surveying, and material delivery. The system developed in this project allows the robot to autonomously overcome obstacles by running and jumping while maintaining a balanced state, improving efficiency and alleviating human resource constraints in practical

	tasks. With different sensors and actuators, this system can also be used for various tasks in urban or outdoor environments. 4. Anti-External Force Algorithms for Drones: Drones face challenges like wind and external forces in urban environments. An innovative control algorithm enhances stability and safety by combining advanced perception and obstacle detection, enabling precise navigation and adaptability. This anti-disturbance capability improves performance and expands applications such as parcel delivery. Additionally, the drone cargo stabilization project minimizes sway during transport by optimizing attitude adjustments, ensuring smoother operations without compromising flight dynamics. This approach enhances delivery efficiency and safety, positioning drones as reliable tools in complex urban settings.
R2C2	The **R2C2 ARC System** revolutionises mission-critical operations through seamless collaboration between quadruped robots and autonomous drones, creating an unmatched force multiplier for industrial inspection, public security, and search & rescue. This intelligent duo operates in perfect synergy—robot dogs execute precise ground reconnaissance while drones provide aerial surveillance, extending situational awareness beyond line-of-sight limitations. The system dynamically adapts to challenges: drones transform into "flying sensors" to guide robots through hazardous blind spots, while robot platforms serve as mobile charging stations for prolonged drone endurance. In industrial settings, they work in tandem to inspect complex structures, with drones capturing overhead thermal data as robots assess ground-level integrity. For public safety, drones rapidly identify threats and relay positioning data to stealthy robot dogs for silent tracking. During disasters, the pair combines drone-mounted heat detection with robots' gas sensors to locate survivors, then autonomously delivers supplies via coordinated air-ground transport. By fusing AI-driven autonomy with human oversight, the R2C2 ARC System delivers unprecedented operational efficiency where it matters most.
S.F. EXPRESS (HONG KONG)	S.F. Express (Hong Kong) showcase was selected into the **"Low-Altitude Economy Regulatory Sandbox**", and will launch a "Drone Medical Delivery" pilot project at Cyberport, planning to use of ARK-20 drones to deliver medicines and other items to specific outlying islands, aiming to bring convenience to local residents and assisting the HKSAR Government in formulating low-altitude economy policies and regulatory indicators that align with the latest technology and industry needs, while also validating drone flight safety and operational standards for safe separation from other aircraft to ensure public and aviation safety. The project will enhance the efficiency of goods circulation, strengthen government emergency response capabilities, and explore pathways for integrated development of low-altitude logistics across the Greater Bay Area.

Vocational Training Council (VTC)	**"Drone Simulator: Flight Race"** is a simulation game focused on fundamental flight training. Players can select from various drone models to begin the game, navigating through indoor obstacle courses that challenge them to maneuver through three-dimensional geometric frames. The game employs a realistic physics engine to accurately simulate drone flight characteristics. With progressively difficult levels, it effectively helps players master precise control techniques. From simple square hoops to complex polygonal structures, each level is designed to train specific flight skills. This simulator concentrates on cultivating core flight techniques. It serves as an ideal tool for beginners to develop basic control intuition. Through repeated practice of frame-navigating challenges, players can accumulate valuable flight experience in a virtual environment. **"Drone Experience: Obstacle Challenge"** offers a hands-on introduction to Small Unmanned Aircraft (SUA) piloting in a safe and engaging environment. Under professional guidance, participants will learn fundamental drone flight principles from scratch. Utilizing remote controllers and an FPV live feed system, flyers can navigate the drone in a real-time immersive perspective, maneuvering through various obstacle courses. Certified SUA instructors will provide on-site coaching to ensure proper operation techniques, delivering a structured introductory flight experience.

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About Hong Kong Cyberport

Wholly owned by the Hong Kong Special Administrative Region (HKSAR) Government, Cyberport is Hong Kong's digital tech hub and AI accelerator, with a vision to empower industry digitalisation and intelligent transformation, to promote digital economy and AI development, and to foster Hong Kong to be an international AI, innovation and technology (I&T) hub. Cyberport gathers over 2,200 companies, including 5 listed companies and 7 unicorns. One-third of onsite companies' founders come from 26 countries and regions, while Cyberport companies have expanded to over 35 global markets.

Cyberport, with Hong Kong's largest AI Supercomputing Centre and AI Lab as the engine, has been building the AI ecosystem with industry-leading AI companies and approximately 400 AI and data science start-ups. Through development of tech clusters, namely AI, data science, blockchain and cybersecurity, Cyberport empowers industries across smart city and government, banking and finance, digital entertainment, culture and tourism, healthcare, education and training, property management, construction, transportation and logistics, 11 green environment and more, while hosting Hong Kong's largest FinTech community. Commissioned by the HKSAR Government, Cyberport has implemented proof-of-concept and sandbox schemes, subsidisation for digital tech adoption, industry tech training and start-up incubation, to drive technology R&D, translation and commercialisation, thus propelling digital transformation and intelligent upgrade across industry and society.

Also as Hong Kong's key incubator, Cyberport supports entrepreneurs with funding and office space, extensive networks of enterprises, investors, technology corporations and professional services for business growth and expansion to Mainland China and overseas markets, all-round facilitation for landing in Hong Kong, talent attraction and cultivation, ready as a launchpad to take start-ups in any stages of development to the next level.

For more information, please visit https://www.cyberport.hk/en