Press Release
For immediate release

Artificial Intelligence Subsidy Scheme Use Case Sharing Session

Empowering Innovative Solutions to Maximise Computing Power for R&D, Advancing AI Development to Benefit Society and the Economy

Hong Kong, 4 July 2025 - Cyberport's Artificial Intelligence Supercomputing Centre (AISC), Hong Kong's largest AI supercomputing centre, commenced operations in December last year. To encourage the industry to fully utilise the computing power resources of the supercomputing centre, the HKSAR Government allocated HK$3 billion to launch the three-year Artificial Intelligence Subsidy Scheme (AISS) through Cyberport. The Scheme aims to fund local institutions, research and development (R&D) organisations, and enterprises in utilising the supercomputing centre to drive innovation and applications in AI, while fostering the development of the AI ecosystem. Cyberport hosted the Artificial Intelligence Subsidy Scheme use case sharing session today (4 July), where representatives from approved projects showcased how AISS funding has empowered them to harness computing resources to drive innovative AI research and transformative real-world applications.

Dr Rocky Cheng, CEO of Cyberport, stated, "As Hong Kong's AI accelerator, Cyberport leverages the AISC as its engine to build a comprehensive AI ecosystem, fueling innovation in R&D and applications while empowering the intelligent transformation of various industries. At the same time, it attracts leading enterprises from around the globe to establish a presence in Hong Kong and facilitates collaboration with industry leaders, combining their R&D strengths in computing power development, large model construction, algorithms, and data science to leverage Hong Kong's strengths in fundamental research and internationalisation. Through Cyberport, the HKSAR Government implements the AISS to enhance research efficiency, accelerate the transformation of R&D results into real-world applications, drive the development of the digital economy and smart society, and further strengthen Hong Kong's position as an international hub for AI and innovation and technology."

Hendrick Sin, Chairman of the Committee of the AISS, remarked, "The nation is steadily advancing the 'AI+' initiative, and the HKSAR Government is fully committed to aligning with the National Development Strategy by allocating HK$3 billion through Cyberport to launch the AISS. This initiative provides funding to local institutions, R&D centres, and enterprises to optimise the utilisation of computing power at Cyberport's AISC, igniting innovation in AI research and its transformative applications. The Scheme aims to drive scientific breakthroughs and accelerate the development of the AI ecosystem and AI-related industries.

Since its launch, the AISS has received approximately 20 applications. As of the end of June this year, the Committee has approved around 10 projects spanning various research areas,

including local large language models (LLMs), new materials, synthetic biology, and medical large models, with a total subsidy amount of approximately HK$300 million. These approved projects began utilising the supercomputing resources in January this year, and currently, over 90% of the allocated computing power is in use. This fully reflects the strong and growing demand for computing power from researchers and the industry. We anticipate that this Scheme will help integrate and coordinate innovation across government, industry, academia, and research sectors. This approach aims to drive more AI-related research and application projects, ultimately contributing to Hong Kong's advancement in both local and national high-quality development through new productive forces."

Approved projects are accessible on the Scheme dedicated website (https://aisc.cyberport.hk/aiss/).

The sharing session also featured representatives from approved projects who showcased the achievements facilitated by the AISS. These include The Hong Kong Polytechnic University's projects: "Enhancing Edge-based Foundation Models for Advanced Reasoning" and "Multimodal Large Language Model-Based Approaches for Hepatocellular Carcinoma Precision Medicine." Notably, the project "Enhancing Edge-based Foundation Models for Advanced Reasoning" was selected as one of the top 30 finalists for the 2025 World Artificial Intelligence Conference's Super AI Leader (SAIL) Award. The "Hong Kong Audio Foundation Model" developed by the Hong Kong Generative AI Research and Development Centre (HKGAI) was also introduced. Government departments are currently piloting "HKMeeting," which is built on this foundation model, to convert speech into text records and generate summaries. (The demonstration video can be downloaded here.)

Professor YANG Hongxia, Associate Dean (Global Engagement), Faculty of Computer and Mathematical Sciences, and Professor, Department of Computing, The Hong Kong Polytechnic University, stated, "Our team has developed the project of Enhancing Edge-based Foundation Models for Advanced Reasoning platform that utilises the computing power of Cyberport AISC. By combining high-quality small language models, we efficiently train large models, reducing reliance on centralised computing resources, while improving the accuracy of information generated by the model by 28%. We have also achieved breakthroughs in medical application scenarios. Currently, our team is collaborating with top-notch hospitals for cancer treatment in Hong Kong and Mainland China. Riding on vertical large models and specialised models, we leverage supercomputing resources to enhance data analysis in cancer treatment and localised applications. This approach reduces the number of complex tests during the treatment process, alleviating both the physical and mental burden on patients, and saving human resources and time costs required for clinical testing."

Professor GUO Yike, Provost, The Hong Kong University of Science and Technology, and Director, the Hong Kong Generative AI Research and Development Center (HKGAI) stated, "HKGAI has successfully developed Hong Kong's first large model HKGAI

V1 within a short period of time. By effectively utilising computing resources of Cyberport AI Supercomputing Centre in our audio large model, we have reduced experimental duration from six to three weeks, boosting R&D efficiency by over 50%, while reducing the relative error rate in speech recognition by 20%. HKGAI has independently developed various AI applications, ranging from professional consulting to document writing, and from meeting minute taking to music creation, showcasing diverse application scenarios for AI. We look forward to further optimising the model and extending its use to more application spheres, promoting intelligentisation of government services and public life, to build the AI ecosystem in Hong Kong to a broader extent."

As Hong Kong's digital tech hub and AI accelerator, Cyberport leverages the AISC as its core engine, dedicating its full efforts to building a comprehensive AI ecosystem. This ecosystem encompasses computing power, general and specialised LLMs, model risk assessment, industry application support, governance and ethics research, as well as talent cultivation. At the same time, Cyberport pools talent and innovative resources from Mainland China and overseas, supporting innovation, R&D, and applications across various segments of the AI value chain, thereby driving the industrialisation of AI technologies.

Cyberport currently hosts over 400 leading AI companies and start-ups, with more than 120 new additions in the past year. It has also attracted several key strategic AI enterprises, including iFLYTEK and Xunfei Healthcare, Biren Technology, China Year, Inspur Cloud, Baidu Apollo, Yunji, and Metax. In addition, Cyberport has facilitated collaborations with industry leaders such as Baidu, Huawei, Cisco, and Ricoh, leveraging their R&D capabilities in computing power development, large model construction, algorithms, and data science to foster AI research, innovation, and applications. Cyberport has also partnered with the Hong Kong Monetary Authority (HKMA) to launch the Generative Artificial Intelligence (GenA.I.) Sandbox, with the supercomputing centre providing a dedicated platform to support the development of generative AI applications in areas such as risk management, fraud detection, and customer interaction. This initiative fosters financial innovation and the intelligent transformation of the financial industry.

To improve industry awareness regarding the safe application of AI, Cyberport collaborates with international organisations to advocate for best practices in AI Safety, Trustworthiness, and Responsibility (AI STR) evaluations. Furthermore, Cyberport has entered into agreements with seven local tertiary institutions to jointly promote AI-related applied research, accelerate the growth of start-ups, and nurture talent. Additionally, Cyberport actively fosters collaboration and integration within the AI and data industries, hosting over 50 AI-related promotional events that have benefitted more than 8,500 participants.

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Introduction of projects featured in the AISS sharing session (detailed descriptions of the projects in both Traditional Chinese and English can be downloaded here.)

Project Name	Introduction
The Hong Kong Polytechnic University "Enhancing Edge-based Foundation Models for Advanced Reasoning"	This project aims to develop and pre-train foundation models optimised for edge devices, including multimodal large language models (MLLMs) and text-only large language models (LLMs), with a particular focus on enhancing reasoning capabilities. These models are designed to process text, images, and audio on resource-constrained devices such as smartphones and IoT devices, enabling complex decision-making in real-world business scenarios. The pre-training phase will leverage extensive datasets to improve the robustness and adaptability of the models across various applications. The ultimate goal is to advance edge generative AI solutions by making AI technology more accessible and functional on everyday devices.
The Hong Kong Polytechnic University "Multimodal Large Language Model-Based Approaches for Hepatocellular Carcinoma Precision Medicine"	This project aims to establish a comprehensive framework based on multimodal large language models (MLLMs) to advance research and clinical applications for hepatocellular carcinoma (HCC). The project focuses on three interconnected objectives: Enhancing diagnostic accuracy for HCC; Discovering novel biomarkers; and Developing personalized cancer vaccines. By integrating multimodal data—such as clinical records, medical imaging, and molecular features—into advanced MLLMs, the project seeks to improve diagnostic precision and subtype classification. Additionally, it employs cutting-edge machine learning and computational methods to identify and validate biomarkers critical to HCC progression and treatment. Ultimately, the project aims to translate research outcomes into preclinical validation by implementing neoantigen discovery workflows and developing prototypes for personalised vaccines. Through these innovations, the project intends to build a robust research pipeline for HCC precision medicine, integrating artificial intelligence, quantum computing, and clinical expertise to improve patient outcomes.
Hong Kong Generative AI Research and Development Center Limited (HKGAI) "Hong Kong Audio Foundation	**Multilingual Audio Dataset Construction** A large-scale multilingual audio corpus containing 500,000 hours of high-quality recordings in Cantonese, Mandarin, and English has been successfully created. This corpus captures the diverse accents within Hong Kong's unique trilingual environment and supports precise training and fine-tuning for automatic speech recognition (ASR), text-to-speech (TTS), and dialogue systems. It serves as a critical

Model”	foundation for research and practical applications in both government and industry. **Multimodal Model Development: 70B and 685B Versions** Two foundation models --- one with 70 billion parameters and the other with 685 billion parameters --- have been developed to support Cantonese, Mandarin, and English. These models are fine-tuned with local knowledge and values to meet the diverse needs of Hong Kong and international markets. With leading performance in dialogue, reasoning, and audio processing, the models have been adopted by multiple government departments for office assistance and public services. **HKMeeting System and Integrated Device** The HKMeeting system is a cutting-edge solution tailored for meeting scenarios in Hong Kong. Its key features include: • **Trilingual Automatic Recognition**: Seamlessly recognises Cantonese, Mandarin, and English. • **Speaker Differentiation**: Accurately distinguishes multiple speakers, even in overlapping speech scenarios. • **Meeting Summarisation**: Automatically generates concise, high-quality meeting minutes, significantly reducing the need for manual note-taking. • An integrated device has also been developed to enable local deployment of HKMeeting and related AI services, ensuring security and privacy. **Trilingual ASR, TTS, and Dialogue Systems** Advanced ASR and TTS systems for Cantonese, Mandarin, and English have been developed. These systems integrate retrieval-augmented generation (RAG) to support context-aware and knowledge-driven real-time voice interactions. **Hum2Song** Multimodal Vocal Generation The Hum2Song system is a ground-breaking innovation in multimodal AI. With just one minute of user-recorded audio, it generates personalised song segments in Cantonese, Mandarin, or English. The

	system accurately mimics the user's voice and creates original melodies, enabling creative applications in entertainment, education, and cultural preservation.

Please click here to download high-resolution photos and videos. Click here to download Cyberport campus photos and video footage.

Cyberport held the **Artificial Intelligence Subsidy Scheme Use Case Sharing Session**, chaired by **Hendrick Sin, Chairman of the Committee of the AISS** (second from the left in the upper picture), **Dr Crystal Fok, Director of AI Applications at Cyberport** (second from the right in the upper picture), and representatives from approved projects including **Professor YANG Hongxia, Associate Dean (Global Engagement), Faculty of Computer and Mathematical Sciences, and Professor, Department of Computing, The Hong Kong Polytechnic University** (second from the right in the upper picture), **Professor GUO Yike, Provost, The Hong Kong University of Science and**

Technology, and Director, the Hong Kong Generative AI Research and Development Center (first from the left in the upper picture). They shared how the Subsidy Scheme has assisted them effectively leverage computational resources, empowering them to advance research, drive transformation, and implement AI innovation solutions.

Dr Rocky Cheng, CEO of Cyberport, stated, “As Hong Kong’s AI accelerator, Cyberport leverages the Artificial Intelligence Supercomputing Centre (AISC) as its engine to build a comprehensive AI ecosystem, fueling innovation in R&D and applications while empowering the intelligent transformation of various industries. At the same time, it attracts leading enterprises from around the globe to establish a presence in Hong Kong and facilitates collaboration with industry leaders, combining their R&D strengths in computing power development, large model construction, algorithms, and data science. Through Cyberport, the HKSAR Government implements the Artificial Intelligence Subsidy Scheme (AISS) to enhance research efficiency, accelerate the transformation of R&D results into real-world applications, drive the development of the digital economy and smart society, and further support Hong Kong’s growth as an international hub for AI and innovation and technology.”

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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 around 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, 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 media inquiries, please visit https://www.cyberport.hk/en.