Logistics and Supply Chain MultiTech R&D Centre
物流及供應鏈多元技術研發中心

For Immediate Release

LSCM Logistics Summit 2025
“Port Community System: Steering Innovation and Collaboration in Logistics”

Showcasing Cutting-Edge Technologies for the Industry to Address Future Challenges, Foster Smart City Development and Enhance Sustainability
Collaborating with the Government Department and Renowned Industry Pioneers to Advance Strategic Technology Research

11 October 2025, Hong Kong — The Logistics and Supply Chain MultiTech R&D Centre (LSCM)’s signature annual event, **LSCM Logistics Summit 2025**, concluded as a resounding success yesterday (10 October) at Hong Kong Science Park. Centred around the theme of **“Port Community System: Steering Innovation and Collaboration in Logistics”**, the Summit served as a key platform for the industry to exchange ideas and views. The event focused on the development of the Port Community System (PCS), examining how innovative technologies could enhance collaboration in logistics and help the industry respond to the rapidly changing market demands and challenges, whilst seizing the emerging opportunities. LSCM also showcased its cutting-edge technologies at the exhibition. Key highlights included the “Port Community System (PCS)”, “Po Shan Groundwater Regulation System”, “Multi-Robot Collaborated Object Transportation System”, and the project “Protecting the Ecological Environment in Construction Areas with an AIoT System”,etc. Other technologies developed in collaboration of LSCM and its partner organisations were also showcased at the event, aiming to foster technology adoption to enhance industry efficiency, sustainability, and competitiveness. During the Summit, LSCM also signed Memorandums of Understanding (MoUs) with the government department and several leading industry organisations to further advance technology R&D and collaboration for key technologies for cross-border logistics and Smart City development.

With a mission to promote technology adoption across the logistics sector and related industries to enhance efficiency and competitiveness, and to foster cross-city collaboration in technology development in the Greater Bay Area (GBA), the Summit brought together government officials, industry experts, business leaders, academic representatives and innovators to share their views and experience on major topics. Through insightful discussions and knowledge exchange, participants explored the role of technological innovation in enhancing digital transformation across different sectors, fostering Smart City development, and boosting the region’s logistics, trade and economic growth.

Ms Mable Chan, JP, Secretary for Transport and Logistics, The Government of the HKSAR said, “It is indeed my great honour and privilege to be able to participate among you, to witness the ceremony today. Today's theme is particularly topical, and not only embraces the term PCS. I think PCS really embraces three concepts, that is, platform, collaboration, and the need to work smart. This naturally brings me to a highlight of today's event, the signing of further MOUs.I am very grateful to be able to witness the MOUs signing ceremony that will take place later today. These partnerships embody the very collaboration highlighted in this summit's theme, collaboration and innovation.”

Strategic Partnerships to Advance Smart Port Connectivity and Digital Logistics

One of the key highlights of the Summit was the MoU signing ceremony between **LSCM**, **Transport and Logistics Bureau**, and **Chu Kong Shipping (CKS)**. In the witness of **Ms Mable CHAN, JP**, Secretary for Transport and Logistics, **Ir Prof Alan LAM, JP**, Chairman of the Board of Directors, LSCM, and **Mr C. F. FONG**, Deputy General Manager, Chu Kong Transhipment & Logistics Co., Ltd., **Miss Amy CHAN, JP**, Deputy Secretary for Transport and Logistics, The Government of the HKSAR, **Mr Simon WONG, MH, FCILT**, Chief Executive Officer, LSCM, and **Mr ZHU Wei**, Deputy General Manager and Financial Controller, Chu Kong Transhipment & Logistics Co., Ltd. signed the MoU for the three organisations' collaboration on the development and application of the Port Community System, facilitating the tracking of cargoes and the exchange of data.

LSCM also signed an MoU with **GS1 Hong Kong**. The signing of the MOU signifies the two organisations' collaboration in exploring application innovation of the One-Data-Multiple-Declarations service on Port Community System and product info data service. This will facilitate higher accuracy and efficiency of trade declaration for the port community in the trade and logistics industries. LSCM also entered into an MoU with **OnePort,** the two organisations will collaborate in the application innovation for a barge manifest service on the Port Community System which will facilitate barging in customs declaration to enhance the efficiency and productivity of the logistics industries. For the MoU that LSCM signed with **Sengital Limited**, it signifies that the two organisations will collaborate to foster the continuous R&D, marketing and technology transfer to facilitate the use of AI agent technologies in providing value added services for the Port Community System.

"LSCM is honoured to collaborate with the Transport and Logistics Bureau and various leading industry organisations to advance the development and application of the Port Community System, fostering the smart port development in Hong Kong and facilitating the development of the logistics and related sectors. These partnerships mark a significant milestone for LSCM, which has been dedicated to developing innovative technologies to foster the development of smart logistics and digital infrastructure in Hong Kong and the Greater Bay Area. Looking ahead, LSCM will continue to work closely with different sectors to drive innovation and jointly build a more efficient, interconnected, and intelligent logistics ecosystem", said **Ir Prof Alan LAM, JP, Chairman of the Board of Directors, LSCM**.

Showcasing key technologies to lead the growth of diverse industries

LSCM also showcased a series of its latest innovative initiatives to promote technology adoption in different sectors which can help enhance industry operational efficiency and the sustainability of development. The key technology showcased included the "Port Community System (PCS)", which provides end-to-end visibility of supply chain and port logistics, facilitates customs clearance, and enhances the efficiency of cargo tracking and customs efficiency, thereby boosting the industry's international competitiveness. The "Po Shan Groundwater Regulation System" utilises Internet of Things (IoT), Artificial Intelligence (AI), and Automated Control technologies to enable the real-time monitoring of water pressure and allow for remote pressure relief, effectively preventing landslides and safeguarding human lives and property. The "Multi-Robot Collaborated Object Transportation System" allows small robots to collaboratively transport heavy materials, thereby improving efficiency and productivity. Another showcased technology project "Protecting the Ecological Environment in Construction Areas with an AIoT System" helps monitor environmental conditions to minimise the impact of construction activities on the surrounding areas. These technologies exemplify LSCM's commitment to the R&D of innovative technologies to assist in developing Hong Kong as a highly efficient, greener, and more interconnected city.

"LSCM leverages advanced technologies such as artificial intelligence, Internet of Things, big data analytics, and robotics technology to develop innovative technology that drive digital transformation across various industries in Hong Kong. Through showcasing the cutting-edge technologies at this summit, we promote the research and application of innovative technology. LSCM has been working hand-in-hand with the government, industry, and academia to build a smarter and more sustainable smart city to consolidate Hong Kong's strategic position as a global hub for trade, logistics, and technology." said **Mr Simon WONG, MH, FCILT, Chief Executive Officer, LSCM**, at the Summit**.**

(Please see Appendix I for more information on the LSCM technologies showcased at the Summit.)

Heavyweights from government and industry shared insights into the advancement of innovation and technology

The **LSCM Logistics Summit 2025** served as a key platform for government officials, industry experts, business leaders and representatives from academia to share insights into the recent technology advancements in accelerating the smart port development in Hong Kong and driving the digitalisation of the logistics industry, as well as the cross-border logistics and trade. Keynote speakers included **Ms Mable CHAN, JP**, Secretary for Transport and Logistics, **Mr CHAN Tsz-tat, CDSM**, Commissioner of Customs and Excise, Customs and Excise Department, **Mr Daniel CHEUNG, JP,** Deputy Commissioner (Digital Infrastructure), Digital Policy Office, **Mr Donald MAK, BBS,** Deputy Commissioner (Data Governance), Digital Policy Office, **Mr Raymond NG**, Assistant Director-General of Civil Aviation (Air Services and Safety Management), Civil Aviation Department, **Dr Peng WANG**, Professor of Institute of Automation, Chinese Academy of Sciences (CASIA) / Founder of CasiaHand Robotics Co., Ltd., **Prof WANG Tengjiao,** School of Computer Science, Peking University, **Mr SUN Wei**, Executive Director, AIR Wuxi Innovation Center, Tsinghua University, **Mr Kazunori GOTO**, Deputy Head, Air Freight Forwarding Group, AFF Unit, Global Headquarters, Yusen Logistics Global Management (Hong Kong) Ltd, **Mr Kenny LAU**, Chief Technology Officer, S.F. Express (Hong Kong) Limited, **Mr Joe WONG**, General Manager, HK R&D Ltd / Sengital Group**, Mr EnJun CHOONG**, Head of AI, Asia Pacific Enterprise Sales Department, Huawei Technologies Co., Ltd., **Mr Jayden WAN**, Regional Manager of GBA, Xunfei Healthcare Technology Co. Ltd., **Ir Prof Alan LAM, JP**, Chairman of the Board of Directors, Logistics and Supply Chain MultiTech R&D Centre, and **Mr Simon WONG, MH, FCILT**, Chief Executive Officer, Logistics and Supply Chain MultiTech R&D Centre.

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About LSCM

Logistics and Supply Chain MultiTech R&D Centre (LSCM) was founded in 2006, with funding from the Innovation and Technology Fund of The Government of the Hong Kong SAR, and is co-hosted by the University of Hong Kong, the Chinese University of Hong Kong and the Hong Kong University of Science and Technology. It aims to strengthen the local logistics sector and related industries by providing a one-stop resource for applied research and technology transfer, and to reinforce cooperation between the industry and research institutes to bring about meaningful and significant benefits to the industry and the community. For more information, please visit www.lscm.hk.

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Photo Captions:

Photo 1:

The Logistics and Supply Chain MultiTech R&D Centre (LSCM) successfully held its annual flagship event, the **LSCM Logistics Summit 2025**, themed **"Port Community System: Steering Innovation and Collaboration in Logistics"**, at Hong Kong Science Park. Government officials, industry experts, business leaders, and academic representatives shared significant insights about how innovative technologies can enhance logistics infrastructure, facilitate digital transformation and foster the Smart City development.

Photo 2:

LSCM 2025
LOGISTICS SUMMIT
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In her opening remarks, **Ms Mable CHAN, JP, Secretary for Transport and Logistics, The Government of the HKSAR**, emphasised the critical role of LSCM in driving the research, development and application of the "Port Community System ("PCS").

Photo 3:

LSCM 2025
LOGISTICS SUMMIT
物流高峰會
Port Community System: Steering Innovation and Collaboration in Logistics
港口社區系統：引領物流創新與協作
LSCM
CKS
LSCM、運輸及物流局和珠江船務合作備忘錄簽署儀式
LSCM, Transport and Logistics Bureau and Chu Kong Shipping Memorandum of Understanding Signing Ceremony

LSCM signed a Memorandum of Understanding (MoU) with the Transport and Logistics Bureau and Chu Kong Shipping. The three organisations will collaborate on the development and application of the Port Community System, facilitating the tracking of cargoes and the exchange of data.

Photo 4:

LSCM LOGISTICS SUMMIT 2025
物流高峰會
Port Community System: Steering Innovation and Collaboration in Logistics
港口社區系統：引領物流創新與協作
LSCM及香港貨品編碼協會
合作備忘錄簽署儀式
LSCM and GS1 Hong Kong
Memorandum of Understanding Signing Ceremony

LSCM signed a MoU with **GS1 Hong Kong** to collaborate in exploring application innovation of the One-Data-Multiple-Declarations service on Port Community System and product info data service to facilitate higher accuracy and efficiency of trade declaration for the port community in the trade and logistics industries.

Photo 5:

LSCM LOGISTICS SUMMIT 2025
物流高峰會
Port Community System: Steering Innovation and Collaboration in Logistics
港口社區系統：引領物流創新與協作
LSCM及一路通有限公司
合作備忘錄簽署儀式
LSCM and OnePort
Memorandum of Understanding Signing Ceremony

LSCM signed an MoU with **OnePort** with an aim to collaborate in the application innovation for a barge manifest service on the Port Community System which will facilitate barging in customs declaration to enhance the efficiency and productivity of the logistics industries.

Photo 6:

LSCM 2025
LOGISTICS SUMMIT
物流高峰會
Port Community System: Steering Innovation and Collaboration in Logistics 港口社區系統：引領物流創新與協作
SENGITAL
LSCM及Sengital Limited
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LSCM and Sengital Limited
Memorandum of Understanding Signing Ceremony

The MoU LSCM signed with **Sengital Limited** signifies that the two organisations will collaborate to foster the continuous R&D, marketing and technology transfer to facilitate the use of AI agent technologies in providing value added services for the Port Community System.

Photo 7:

LSCM Logistics Summit 2025 brought together experts from different fields to facilitate the R&D and adoption of innovative technologies with an aim to boost the operational efficiency and productivity across various sectors, while enhancing the quality of life for the public.

Appendix I: LSCM’s showcased innovative technologies

1. **Po Shan Groundwater Regulation System**

To enhance the stability of the hillside and reduce the risk of large-scale slope failures, effective measures are needed to lower the groundwater table, especially when there is heavy rainfall. The Po Shan Groundwater Regulation System developed by LSCM utilises Internet-of-Things (IoT), Artificial Intelligence (AI), and Automated Control Technologies to enable the real-time monitoring of pressure and allow for remote pressure relief so as to avoid the happening of catastrophic landslides and protect the lives and property of the citizens.

2. **Protecting the Ecological Environment in Construction Areas with an AIoT System**

During construction, pollution and environmental disruption are unavoidable. To mitigate the impact on the environment, LSCM developed an AIoT (Artificial Intelligence of Things) system to detect the changes in the ecological environment. By monitoring the air quality, the movement of birds and small animals, and changes in water colour, abnormalities can be identified early to alert the stakeholders to take remedial actions.

3. **Port Community System**

CONNECT AND THRIVE

Port Community System (PCS) is the first-ever digital platform in Hong Kong for cross-enterprise and inter-modal data sharing on cargo status. Leveraging on blockchain and cutting-edge technologies for secured data transmission, PCS provides end-to-end visibility of supply chain and port logistics, brings about convenience for customs declaration, strengthens the industry’s international competitiveness, and opens up possibilities for trade finance facilitation.

- Sea, Land & Air Cargo Track & Trace
- Easy To Use with Web and Mobile App Access
- Blockchain-Secured Data Ecosystem
- PCS+ Value-Added Service: One-Data-Multiple-Declarations System and Sea Manifest Submission (with more to come)

Please scan this QR code to register for a free PCS pilot run account.

4.	**Cross-boundary Public Services (CBPS) Kiosk**
	Collaborated by LSCM and the Digital Policy Office, this project aims to integrate advanced Continuous Re-authentication and Intrusion Detection technologies into the self-service machines that support government services. These customised solutions can enhance users' data security and privacy, addressing the growing usage of self-service machines in public environment. By implementing these technologies, the project enables multiple users to securely access Hong Kong Government's e-Services, safeguarding their information and reducing the risk of unauthorised session hijacking, which thus enhances the convenience and trust in public digital services.
5.	**Automated Hill Fire Surveillance System**
	Most hill fires in Hong Kong are believed to be caused by human negligence. These pose threats to human lives and city facilities. An effective approach is thus needed to detect hill fires. This project deploys Artificial Intelligence, video analytics, and robotic technologies for hill fire detection in the country parks of Hong Kong. This unique fusion of methodologies for detecting hill fires has been proven successful in Hong Kong's fire lookout facilities.
6.	**Multi-Robot Collaborated Object Transportation System**
	The Multi-Robot Collaborated Object Transportation System allows multiple small robots to collaboratively transport objects from any starting point to the designated location. The number of robots involved can vary, depending on the weight of the objects being transported. These robots can operate independently and autonomously without a central controller. They are equipped with sensors that allow them to detect the internal forces within the system, so as to avoid the happening of conflicting actions. This System is designed and developed to transport construction materials in construction sites as there are space constraints and the materials transported are often very heavy. It can also be utilised for other material transportation purposes.
7.	**Electronic Power Assist Cage Trolley System**
	This Electronic Power Assist Cage Trolley System is equipped with an intuitive control function. Electronic sensors are strategically embedded in the detachable wireless handle to measure the micro deformation of the materials when force is applied by the user. Based on the sensors' value, the onboard AI controller calculates the torque vector at a frequency of 100 times per second. The torque is then amplified by two motors connected to the wheels of the trolley, enabling effortless control of the steering, forward movement, and backward movement of the trolley. The use of the Electronic Power Assist Cage Trolley System is similar to that of traditional cage trolleys. The operator can easily control this trolley system to transport heavy items without any difficulty, which helps to minimise the risk of workplace injuries. Additionally, the trolley's built-in regenerative braking system and mechanical holding brake allow it to be safely used on ramps.

8.	**Detachable Follow-me Robot**
	With the aging population, the elderly service industry requires innovative technologies to alleviate the workload of its workers. Different from other robots, the Detachable Follow-me Robot developed by LSCM with platooning technology can help the workers deliver heavy items while autonomously following the workers in both the indoor and outdoor environment. The robot is also equipped with automatic collision avoidance technology to prevent collisions with others when it is in use to enhance safety.