



For Immediate Release

LSCM Logistics Summit 2018

MoU Signing for HK-Zhuhai Trade Facilitation Platform Showcasing latest technology innovations in Hong Kong

5 October 2018, Hong Kong — The Logistics and Supply Chain MultiTech R&D Centre (LSCM) held its annual event – **LSCM Logistics Summit 2018** – today. At the event, LSCM signed a memorandum of understanding (MoU) for the launch of the **HK-Zhuhai Trade Facilitation Platform** with **The People’s Government of Zhuhai**, to set up a collaboration in economies among Hong Kong, Mainland China and other countries. As the first electronic information platform connecting Hong Kong industries and electronic ports in Mainland China, this collaborative initiative signifies a breakthrough in the future development of Hong Kong’s logistics and supply chain management sector.

The Summit also brought together government officials, industry leaders and professionals to exchange views on how to mobilise innovative technologies to develop the Hong Kong logistics and supply chain industry, as well as other businesses.

Enhancing local Entrepot Trade with the launch of the “HK-Zhuhai Trade Facilitation Platform”

Dr Sunny CHAI, BBS, Chairman of Board of Directors of LSCM, and **Mr ZHU Dahong**, Vice Director of Zhuhai Port Bureau, witnessed the MoU signing between **Mr Simon WONG**, Chief Executive Officer of LSCM, and **Mr HUANG Qichu**, Director of Zhuhai Entry-Exit Port Association, for the launch of the **HK-Zhuhai Trade Facilitation Platform**. “LSCM is pleased to have the support of The People’s Government of Zhuhai for our first-ever Hong Kong-Zhuhai Trade Facilitation platform. This marks a milestone for the industry and is a pioneering effort that preludes the Greater Bay Initiative,” said Dr Chai at the signing ceremony.

The **HK-Zhuhai Trade Facilitation Platform** is a pioneering one-stop trade service support platform connecting LSCM and Zhuhai Electronic Port, as well as trade and logistics enterprises. The platform combines innovative technology and an innovative trade business model to facilitate small and medium-sized enterprises in the “Greater Bay Area” to move towards the “Belt and Road” and global trade.

(Please see Appendix I for more information on the “HK-Zhuhai Trade Facilitation Platform”.)

Showcasing key technology innovations Elites exchanged views on the “Belt and Road Initiative”

With the theme of “Actions in the Belt and Road Initiative with Innovation and Technology”, the **LSCM Logistics Summit 2018** was held in Hong Kong Science Park. In his opening remarks, **Mr Nicholas YANG, GBS, JP**, the Secretary for Innovation and Technology, said, “With advantages in R&D capabilities and well connection to the rest of the world, Hong Kong has been bestowed at the



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national level to serve as an international innovation and technology hub. I am confident that with the concerted efforts of the industry, academia, R&D centres like LSCM and the Government in promoting the innovation and technology development of Hong Kong, we can create more new opportunities in realising the vision of the Belt and Road Initiative.”

This Summit served as a platform for government officials, industry leaders and professionals to share their inspiring insights on how to capture the unprecedented opportunities brought by innovative technologies and the Belt and Road Initiative. The keynote speakers included **Ms Teresa CHENG, GBS, SC, JP**, Secretary for Justice, **Mr Victor LAM, JP**, Government Chief Information Officer, Office of the Government Chief Information Officer, **Mr CAO Erbao**, Part-Time and Visiting Professor of Tsinghua University, Peking University and Shenzhen University, **Mr Wilson KWONG**, Chief Executive of Hong Kong Air Cargo Terminals Limited and **Mr Nick CHAN, MH**, Chairman, eBRAM Centre. Other distinguished overseas speakers were **Professor Rene de KOSTER** from Erasmus University Rotterdam and **Mr Chaminda GUNASEKERA**, Head of the Board of the Directors, The Chartered Institute of Logistics and Transport in UAE (UK Chapter). In addition to the keynote speeches, LSCM and its partner organisations showcased a series of their latest innovative technologies.

(Please see [Appendix II](#) for more information on the technologies showcased in the Summit.)

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About LSCM

The Logistics and Supply Chain MultiTech R&D Centre (LSCM) was founded in 2006, with funding from the Innovation and Technology Fund of the HKSAR Government, 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 technology research and commercialisation, and to reinforce cooperation between the industry and research institutes, to bring about meaningful and significant benefits to the industry and community. For more information, please visit www.lscm.hk. Should you have any questions or need further information, please contact:

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Photo captions

Photo 1 :



With the theme of “Actions in the Belt and Road Initiative with Innovation and Technology”, the Logistics and Supply Chain MultiTech R&D Centre (LSCM) held its annual event – LSCM Logistics Summit 2018 – today, bringing together government officials, industry leaders and professionals.

Photo 2 :



Dr Sunny CHAI, BBS, Chairman of Board of Directors of LSCM (1st Left), and Mr Zhu Da Hong, Vice Director of Zhuhai Port Bureau (1st right), witnessed the MoU signing between Mr Simon WONG, Chief Executive Officer of LSCM (2nd Left), and Mr HUANG Qichu, Director of Zhuhai Entry-Exit Port Association (2nd Right), for the launch of the HK-Zhuhai Trade Facilitation Platform.

Photo 3 :



Mr Nicholas YANG, GBS, JP, the Secretary for Innovation and Technology delivered the Opening Remarks for LSCM Logistics Summit 2018 and expressed that Hong Kong has been bestowed at the national level to serve as an international innovation and technology hub with advantages in R&D capabilities and well connection to the rest of the world.

Photo 4 :



Ms Teresa CHENG, GBS, SC, JP, Secretary for Justice shared with the participants her Keynote Speech at the LSCM Logistics Summit 2018 themed “Opportunities in the Guangdong-Hong Kong-Macao Bay Area Development”.



Appendix I: Details of HK-Zhuhai Trade Facilitation Platform

Introduction:

The “Hong Kong – Zhuhai Trade Facilitation Platform” is a pioneering one-stop trade service support platform connecting LSCM, Zhuhai Electronic Port, and trade and logistics enterprises. The platform combines innovative technology and an innovative trade business model to facilitate small and medium-sized enterprises in the “Greater Bay Area” to move towards the “Belt and Road” and global trade.

Technology Research Focuses:

- **Artificial Intelligence (AI) Translation Engine:** converting one single cargo data set into different formats and languages
- **Big Data Analysis:** conducting analysis of item descriptions and Harmonised System Codes (HS Codes) to provide a reference for customs clearance requirements
- **Scalable Service Platform:** interconnecting with international logistics information, trade financing and trade sourcing platforms, etc., to enrich the trade ecosystem with value-added services



Appendix II: Latest technologies from LSCM and its partner companies

LSCM's advanced innovative technologies:

1. Heavy Duty Autonomous Guided Vehicle (AGV)

To cope with the challenges of great demand in the B2C market, the Heavy Duty Autonomous Guided Vehicle (AGV) is an innovative solution for local warehouse management. The flexibility of the system enables automated warehouses to implement and enhance the efficiency of warehouse management more easily. The system consists of two main subsystems: the mobile robots and the AGV management system.

2. Real Virtuality for Aircraft Inspection (ReVAI) Training System

This training system was jointly developed by LSCM, China Aircraft Services Limited (CASL) and The University of Hong Kong.

ReVAI is a virtual reality (VR) training system developed for the training of CASL engineers to perform walk-around inspection of aircraft, which is a critical aircraft maintenance operation undertaken by CASL. This training system has been developed based on the technology of an interactive and immersive VR training paradigm powered by the imseCAVE VR solutions. ReVAI not only greatly enhances the availability and flexibility of the training process, but also improves the safety of the personnel performing such training.

3. "Follow-Me" Robots & Platooning Technology

In order to help workers in delivering heavy items and minimising their risk of injury, LSCM has developed smart "Follow-Me" robots. They can not only carry heavy and large objects, but also track and follow the workers automatically. Configured with multiple sensors and advanced computer vision techniques, the robots can detect obstacles and stop automatically, thus ensuring the safety of workers.

A platooning technology has also been developed to facilitate the robots to follow and control each other intelligently. A linking of two or more "Follow-Me" robots can improve efficiency and reduce turnaround time of delivery. These technologies can be applied in warehouses, hospitals and other venues.



4. Multi-service Robot

To improve the quality life of the elderly, LSCM has developed a Multi-service Robot, which can be configured for multiple applications. The modular approach makes it easy to install different sensors and end-effectors. It is configured for an elderly care home setting. Equipped with different health monitoring sensors, it can collect data and report the health status of elderly users.

5. eBRAM

With Hong Kong's innovative technology, strong legal foundation, global connections and its role as a leading international arbitration centre, this project is to develop the eBRAM online platform for deal-making and dispute resolution. It is targeted to contribute to the development of the Belt-and-Road Region, and to help in the transformation of Hong Kong into a LawTech Centre and Legal Hub.



LSCM's partner organisations deploy its innovative technologies:

1. Hong Kong Monetary Authority

In the summit, Hong Kong Monetary Authority will demonstrate the Faster Payment System (FPS), which supports the use of mobile phone numbers or email addresses for payments in Hong Kong dollar and Renminbi anytime and anywhere. Besides, the FPS also adopts a common QR code which can promote the wider use of mobile retail payments and greater convenience to customers and merchants.

2. Brand Meditech

Baby abduction and its immense consequences arouse public's and government's concern in Hong Kong. While Baby Tags technologies that provide protection to new born babies against abduction have been introduced by LSCM a few years ago, there were cases where mothers identified the wrong babies while breastfeeding, or nursing staff accidentally identified the wrong babies as they did not verify their name labels. In this summit, Brand Meditech will showcase Mother Tags, the deliverables of the newly developed collaboration project with LSCM, which include a mother-baby matching function that can effectively identify events of handing wrong babies to their mothers. With this technology, cases of baby abduction and misidentification can be effectively minimised, and the security of babies can be safeguarded.

3. Document Security Systems, Inc.

Document Security Systems, Inc. (DSS) will showcase a smartphone-based authentication product – AuthentiGuard™ in this summit. DSS has joined forces with LSCM to develop non-disruptive anti-counterfeiting solutions for AuthentiGuard™ with blockchain deployment.

4. Kellon Energy Performance Contracting Limited

Kellon Energy Performance Contracting Limited will demonstrate the energy-monitoring system that was transferred from LSCM. This RFID-Enabled sensing technology provides continuous monitoring of ambient statuses surrounding environment-sensitive items. It also supports real-time indoor condition monitoring such as lux, UV, vibration, temperature and relative humidity for facility management.

5. RFID System & Supplies Limited

RFID System & Supplies Limited (RSS) will display LSCM designed UHF RFID Reader and reader module. Feature low power consumption and small form factor, the reader can be tailor-made for closed-loop applications in Hong Kong and Mainland China markets. This low-cost RFID reader can allow more staff to carry their own readers for anti-counterfeiting, product authentication, or stock-taking purposes. Apart from this, RSS will display RFID Guardian System. The system has 100% accuracy to monitor the exits and dangerous zone to protect the elderly.



Hidden RFID tag will be used; hence, the elderly does not have to carry additional cards or watches.

6. Star Systems

Star Systems is a world leader and supplier of ISO18000-63/6C reader and transponder systems for vehicle applications including vehicle registration, tolling, parking, secure access control and traffic monitoring for congestion flow control. In the summit, Star Systems will exhibit its new Titan, a high speed, high-performance multi-protocol reader, which works with LSCM's newly developed RFID narrow beam, a high gain antenna to provide excellent coverage for tolling applications.

7. Wing Wah Love Technology Services Limited

In the summit, Wing Wah Love Technology Service Ltd will demonstrate its iBao Indoor and Outdoor Locator. iBao was funded by the Innovation and Technology Commission and co-developed with LSCM in 2018. iBao is designed to track locations and monitor the health information of the elderly. With a full range of indoor and outdoor positioning technologies, it can reduce the risk of wandering. Family members can use iBao together with its mobile applications to take care of the elderly easily.