LSCM R&D Centre Collaborates with HK Post, Customs & Excise Dept and HKMA
3 Technologies Triumph at Geneva International Exhibition of Inventions
RFID-enabled Parcel Locker System, E-Lock and e-Cheque
Won one Gold and two Silver Medals

(Hong Kong, 2 May, 2017) At the Geneva International Exhibition of Inventions held from 29 March to 2 April, the Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre) under the Innovation and Technology Commission of Hong Kong Special Administrative Region has won a Gold Medal and two Silver Medals in the categories of "Computer Science, Software, Electronics, Electricity, Methods of Communication". The three award winning technologies are collaborations with the Hongkong Post, the Customs and Excise Department as well as the Hong Kong Monetary Authority respectively. "RFID-enabled Parcel Locker System" which has won the gold medal, ensures every parcel placed at the right locker with the RFID technology, and the signal will be real time transferred to mail checking system, saving complicated checking procedures. E-Lock simplifies customs clearance procedure and brings trade facilitation to cross-boundary logistics flow. Last but not least, E-Cheque application which has won the silver medal, adopts the latest blockchain technology to provide a convenient and safe e-cheque transaction platform. The three award-winning technologies have been widely used by the three departments, saving much time, resources and manpower while citizens can also enjoy convenient services. Hong Kong is one step forward in turning into a Smart City.

The LSCM R&D Centre designs and places a RFID antenna inside every locker of selected iPostal Stations which can read the RFID tag affixed on the mail item. The postman only needs to place the item inside the right locker and the rest of locker management and mail checking are all automatized, reducing operation time and human errors. "iPostal Stations" Mail Collection Service was launched last year to meet the needs of the latest e-commerce development with 12 service points throughout Hong Kong now, including Tsuen Wan Government Offices and Shatin Government Offices. All Hong Kong residents are welcomed to register on Hongkong Post's EC-ship Online Portal fora Mail Collection Number to enjoy this service for free.

E-Lock won the silver medal this year. Following thorough testing by the Customs and Excise Department, the "Single E-lock Scheme" (the Scheme) has officially been launched on 28 March last year with a view to enhancing the clearance efficiency of intermodal transshipment cargo across the boundary and facilitating trade through the application of E-lock. Under the Scheme, one single electronic lock and global positioning system technology are applied to monitor and safeguard the security of the transshipment cargo by the Hong Kong Customs and Mainland Customs respectively on the principle of "*Across the Boundary with One Single E-lock under Separate Monitoring*". By using a single electronic lock, duplicate inspection on the same shipment by both Customs authorities at the boundary would be reduced, which helps to streamline the clearance process and expedite the flow of transshipment cargo. Under normal circumstances, registered trucks under the Scheme would save two hours of clearance time in Hong Kong.

Up to now, the clearance points in Guangdong Province have increased to 32, including the newly-opened points at Heshan, Kaiping and Yangjiang. Interlinking with the 12 clearance points in Hong Kong, there are as many as 384 transshipment routes to be used by the industry.

Hong Kong Monetary Authority has launched e-Cheque since 2015 to replace the need of physical delivery and presentation, enhancing the circulation of credit transfer activities. E-Cheque applications developed by the LSCM R&D Centre provide a more convenient platform for e-Cheque transactions. In contrast to most e-Wallets that use a traditional centralized ledger, LSCM e-Wallet utilizes the Blockchain technology which provides a safe and reliable system to eradicate replicated and counterfeit cheque and strengthen corporate's confidence on e-Cheque.

About LSCM R&D Centre
The Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre) was founded in 2006, with funding from the Innovation and Technology Fund of the HKSAR Government, and 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 Industry by providing a one-stop shop for technology transfer and commercialization, and reinforce the cooperation between the industry and research institutes, to bring about meaningful and significant benefits to the community.

LSCM representatives received One Gold and Two Silver Medals from Mr. Jean-Luc VINCENT (Second left), Founding President of the International Exhibition of Inventions of Geneva

The RFID antenna is designed by LSCM and placed inside every locker of selected iPostal Stations

Following thorough testing by the Customs and Excise Department, the application of E-lock enhances the clearance efficiency of intermodal transshipment cargo across the boundary.

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