

[Press Release]

Logistics Innovation for a Safer and More Comfortable Life
“Hong Kong Logistics Story” by LSCM
A Showcase of Cross-century Logistics Development

(Hong Kong, 26th February 2013) “Hong Kong Logistics Story” Exhibition hosted by the Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre), held an unveiling ceremony at Olympian City 2 today, with the active participation of 25 Internet of Things (IoT) technology companies. Animated models and exhibits not only showcased the latest logistics and supply chain technologies, but also demonstrated how these technologies enhance industrial competitiveness and bring safety and convenience to the general public. A glittering assembly of representatives from 16 logistics and supply chain associations, representatives of the National People's Congress (Hong Kong) and LegCo members have attended the occasion and exchanged business views on the industry's technological development.

Miss Janet Wong, JP, Commissioner for Innovation and Technology addressed at the ceremony, “To go in line with the rapid development of modern logistics industry, the LSCM R&D Centre has been conducting industry-oriented enabling technologies to enhance operational efficiency and strengthen Hong Kong's economic competitiveness and consolidate its leading role in the international logistics and supply chain industry.”

Mr. Simon Wong, Chief Executive Officer, LSCM R&D Centre pointed out, “RFID (Radio Frequency Identification) enhances the efficiency in the logistics and supply chain industries, whereas the inventory management and real-time monitoring system also play an important role in safeguarding people's lives and properties. By presenting these animated miniature models with sound, lighting and movement, the public can easily grasp the new era technological innovation in the logistics industry, as well as how IoT / RFID (Internet of Things / Radio Frequency Identification) boosts industrial development and brings people a more comfortable, efficient and safer living.

The four major achievements in technology research include:

- 1) “Baby Tracking System” is applicable in hospitals to prevent infants from being snatched by unauthorised personnel or people;
- 2) “E-Lock System” supports Hong Kong Customs and Excise Department (HKC&ED)’s Intermodal Transshipment Facilitation Scheme (ITFS) and monitors the movement of the transshipment cargoes;
- 3) “Smart Film Library” is applicable in the inventory management of Hong Kong Film Archive; and
- 4) “Abattoir Pig RFID System” is already adopted in the “Goods Supervision Service Platform” to ensure food safety from the imported livestock from Guangdong.

Animated miniature models showcased in the exhibition include:

“Baby Tracking System” Prevents New-born Babies From Being Snatched

In a 1:12 (ratio) new-born baby ward model, a woman who tries to snatch a newborn is tracked by the RFID tag on the baby’s wrist/ankle and stopped in a split second by the control system. When the crying baby in a pram is taken away from the baby ward, the alarm system will be activated. The mother is woken up, together with the alarmed nurses and visitors, the snatcher has no choice but return and is caught inside the ward. The LSCM R&D Centre is now working closely with Tsuen Wan Adventist Hospital on a pilot scheme to apply this technology.

“E-Lock System” Simplifies Clearance Procedures

A 1:87 (ratio) E-Lock miniature shows how the truck with E-Lock goes from Lok Ma Chau control point to the airport cargo terminal through the Tsing Ma Bridge. The whole journey is monitored by a HKC&ED proprietary computerised Global Positioning System (GPS). The container will only be unlocked by the Customs officers using a set of random and one-time password which avoids multiple examination of the same container when it enters and leaves. This technology supports Hong Kong Customs and Excise Department’s “Intermodal Transshipment Facilitation Scheme”. Cargoes entering and leaving Hong Kong will not be stuck at control points and this greatly reduces the customs clearance time.

“Smart Film Library” Fast and Accurate Film Stock Management

Mr. Richie Lam, Head of Hong Kong Film Archive said, “The Film Archive has over one million collection items and the number is increasing every year. With limited human resource, it is a pressing task to keep and manage the bulk of stock.” The LSCM R&D Centre and Hong Kong Film Archive hit it off instantly. This year, 20,000 record collections will be allocated to the Film Archive’s pilot scheme, while LSCM R&D Centre provides RFID antennas, tags, software and hardware systems. Staffs can easily identify the category and quantity of stock, and retrieve efficiently the bulk of stock items including a huge amount of films reels, video tapes and discs with a flyswatter-like RFID reader. Mr. Richie Lam has visited the Film Archive in Beijing two years ago and knew that they were in an initial stage in RFID technology research, it revealed the technology is suitable for managing collections.

To simulate the Film Archive, several award-winning films and blockbusters including *Echoes of the Rainbow*, *Eye in the Sky*, *Made in Hong Kong* are played on the screen, inviting the mass to learn through entertainment.

“Abattoir Pig RFID System” Supervision Service Platform Monitors Imported Pigs

From the 1:32 (ratio) abattoir model, one can witness the process of loading and unloading pigs from trucks to the pig channels, with staffs’ reading the pig’s information through the RFID tags on the pigs’ ears. The pigs will be sent to the slaughter. This technology can ensure food safety and prevent animal epidemic. It is applied in Sheung Shui Abattoir.

A 1:75 (ratio) Old Hong Kong Western Wharf Model is also displayed as a sharp contrast. In the past century, the logistics industry relied heavily on the labour of coolies while today’s logistics industry is driven by intelligence technology. These five astonishing models are designed and created by the renowned miniature artist Tony Lai. The exhibition will be held from 26/2 to 14/3 at Olympian City 2 with free admission.

About LSCM R&D Centre

Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre) was founded in 2006, aiming to provide one-stop shop for technology transfer and commercialisation, Its mission is to enhance the standards of local logistics industry, thus bringing significant benefits to society through strengthening collaboration between the industry and research organisations.

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