



For Immediate Release

LSCM garnered 3 Silver Awards and 1 Bronze Award at the 50th International Exhibition of Inventions of Geneva and 1 Gold and 1 Silver Award at The Edison Awards 2025

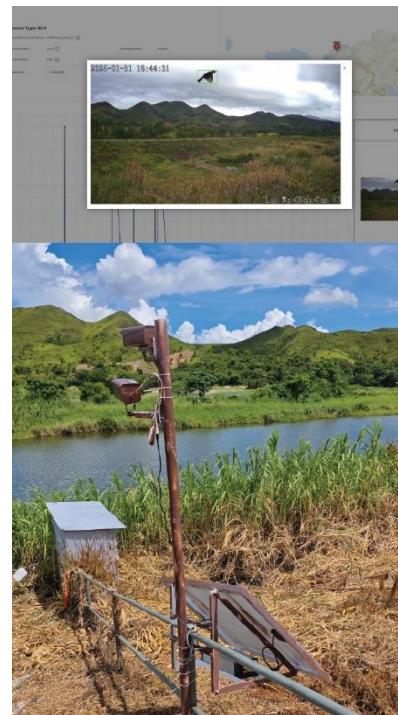
14 April 2025, Hong Kong — Logistics and Supply Chain MultiTech R&D Centre (LSCM) has been honoured with 4 awards at the 50th International Exhibition of Inventions of Geneva, with 3 Silver Medals and 1 Bronze Medal, after winning 1 Gold and 1 Silver Award at The Edison Awards™ 2025 in early April. These prestigious awards recognise LSCM's strength and expertise in the research and development of innovation and technology. This year, the awarded technologies cover a wide range of areas, including smart mobility, gerontechnology, construction technology and robotics, among others, which facilitate the smart city development in Hong Kong. LSCM has been developing innovative technologies for the industry and the community, thereby fostering technology development in Hong Kong and in the Greater Bay Area.

Mr Simon Wong, Chief Executive Officer of LSCM, MH, FCILT, said, "Receiving these prestigious awards in this year's International Exhibition of Inventions of Geneva and The Edison Awards™ 2025 is certainly an important recognition and appreciation for the LSCM team. We will continue our effort in collaborating with various sectors to develop more innovative technologies, and foster the adoption of these technologies in different industries and the community, giving new impetus to the smart city development in Hong Kong.

LSCM's Award-winning Projects at the 50th International Exhibition of Inventions of Geneva

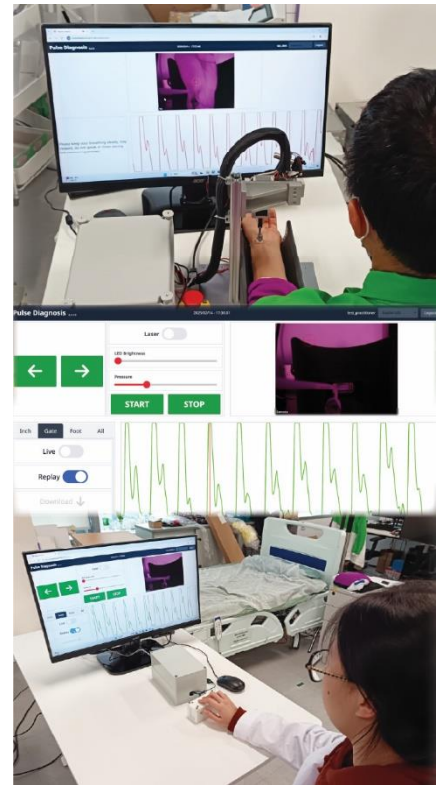
Silver Medal: Protecting the Ecological Environment in Construction Areas with an AIoT System

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.



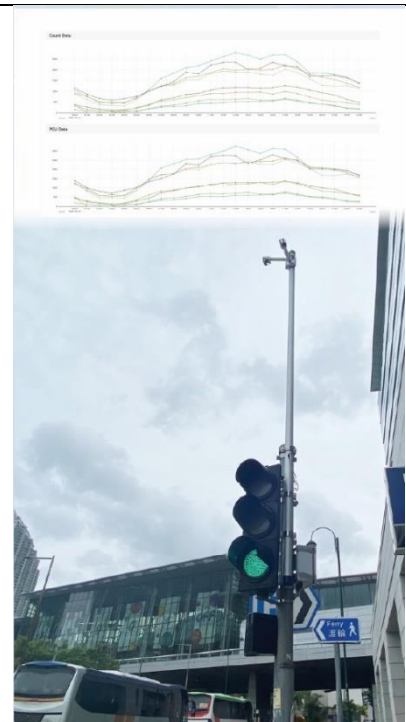
Silver Medal: Assistive Technologies for Traditional Chinese Medicine Tele-Practice

This is an advanced technology developed to assist with traditional Chinese medicine tele-practice, integrating pulse sensing and pulse regeneration devices which are linked via a wireless network. Practitioners can remotely guide the patients to record their pulse data using a piezoelectric sensor with auxiliary technologies, including an artery viewing device featuring 7 distinct intensity levels and dynamic force control with 10 distinct intensity levels. The digitised pulse information is then transmitted to the practitioner's computer and regenerated through precise mechanical movement using nonlinear mapping. The correlation coefficient between actual and regenerated pulses, which is approximately 0.8, validates the pulse regeneration efficacy.



Silver Medal: Multi-Sensor Object Detection for Better Traffic Control

Traditionally, many traffic control systems rely on cameras to detect traffic flow and dynamically adjust traffic signal timings. Multi-Sensor Object Detection technology, however, utilises a variety of sensors, including lidar, thermal cameras, radar, and standard cameras to monitor the traffic flow at long, medium, and short distances. It synchronises traffic signals across different intersections, enhancing the efficiency of the traffic flow. In the previous pilot implementation, a 10% improvement was achieved in the overall journey time.



Bronze Medal: Detachable Follow-me Robot

The Detachable Follow-Me Robot adopts lidar technology, combined with a microcontroller, which enables it to follow the operator and assist in transporting heavy and bulky items. Automatic collision avoidance technology is deployed for the robot to effectively prevent collisions during operation. Its detachable carrier design also accommodates various applications, reducing the costs while enhancing the robot's versatility. Additionally, implementing the drive wheel lifting mechanism allows for easy manoeuvrability even in narrow spaces.



LSCM's Award-winning Projects at The Edison Awards™ 2025

Gold Award: Robo-9 with Multi-Sensor Technologies for the Visually Impaired

To enhance mobility of the visually impaired, LSCM has developed the cost-effective Robo-9 which simulates the important functionalities provided by guide dogs, including obstacle avoidance and walking guidance.

Robo-9 is equipped with navigation and locationing functions which can provide walking guidance to the user. SLAM technology is also deployed to provide orientation and navigation information to the user, to enable him/her to walk freely or arrive at the target destination.





Silver Award: XRCC – Extended Reality Content Creation Suite

XRCC is an innovative extended reality (XR) creation software, featuring an intuitive drag-and-drop interface, an expanding universe of assets, and a sophisticated visual programming system, enabling users to create dynamic and interactive XR experiences with ease.

With multiplayer support and cross-platform functionality, XRCC supports the integration of external hardware/software systems, platform APIs, and AI services. It is ideal for training, simulations and experiential learning.



The 50th International Exhibition of Inventions of Geneva

Held from 9 to 13 April 2025 in Geneva, Switzerland, the 50th International Exhibition of Inventions of Geneva attracted over 1,050 innovations from more than 35 countries and regions, ranging from inventors and researchers, universities, industrial and commercial companies, to private and state organisations and institutes. With a history of 50 years, this annual global exhibition was arranged under the patronage of the World Intellectual Property Organisation (WIPO), the Swiss Government, the Republic and Canton of Geneva and the City of Geneva, to showcase the innovations and inventions worldwide.

The Edison Awards

Established in 1987, The Edison Awards™ is among the most prestigious accolades honouring excellence in new product and service development, marketing, design and innovation. Its vision is continually guided by the legacy and vision of Thomas Edison and his Menlo Park team that successfully brought an unprecedented number of innovations to the market. This year's Edison Awards was held on 2 - 3 April in Floria, the U.S., which attracted innovations from different countries from all over the world in the areas of artificial Intelligence, automation, green technology, among others.

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 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.



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

Photo captions

Photo 1:



Logistics and Supply Chain MultiTech R&D Centre (LSCM) has been honoured with 3 Silver Medals and 1 Bronze Medal at the 50th International Exhibition of Inventions of Geneva.

Photo 2:



Logistics and Supply Chain MultiTech R&D Centre (LSCM) has been honoured with 1 Gold Award and 1 Silver Award in The Edison Awards™ 2025.

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