

Prof. Heng Li's Securing 'Innovation and Technology Fund'

Bravo! Prof. Heng Li and his research team have successfully secured a huge funding for their project 'Location-based Technologies for Asset Tracking and Risk Management' under the Innovation and Technology Fund of the Government. This success is very encouraging to the research team in support of their endeavors on the advance in the technology 'Proactive Construction Management System'. This system brings a new chapter to not only the construction industry but also the public sector in terms of risk management.

Successful Story of PCMS in Construction Industry

In 2012, Prof. Heng Li, Chair Professor of Construction Informatics and his research team developed a construction safety system, namely 'Proactive Construction Management System (PCMS)' that combines the use of Building Information Modeling (BIM) and location-based technology to promote the standard of construction safety and enhance project operational efficiency. This PCMS can generate alert signals from the tag device attached on the helmet of construction workers when they are in a dangerous zone of the construction site so that they can leave the zone immediately. It can make sure workers' safety and avoid construction accidents.



Ms Ada Fung, Deputy Director of Housing Authority (Development & Construction), is doing a test with PCMS Technology in the construction site of Tai Po Public Housing Project.

Introduction of PCMS to Hong Kong Police Force

To sustain the success of this safety system, the research team introduced PCMS to a special unit of Hong Kong Police Force, 'Disaster Victim Identification Unit (DVIU)' in 2015. The DVIU carries out victim identification service and provides support for disaster rescue operations. As one of the most technologically

advanced DVIUs in the world, it always improves its efficiency with the latest technologies.

PCMS helps DVIU control the property handling, assist in deployment for disaster victim identification and give operational support for major incidents in Hong Kong. With a view to speeding up the whole victim identification process, the research team hopes this innovative technology can further enhance the Police's efficiency and accuracy in handling a large number of properties as well as tracking their deployment.



The Hong Kong Police Force's Disaster Victim Identification Unit (DVIU) is working with the advanced technology to collect the victim data in the disaster training.

More about Prof. Heng Li : <http://bre.polyu.edu.hk/staff/bshengli/index.htm>

More about Proactive Construction Management System :
http://www.bre.polyu.edu.hk/cvplab/eng/pcms_v.htm