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Chinaâ??s ASTRI develops next generation food safety management platform

27 May 2021 | News

The Hong Kong Applied Science and Technology Research Institute (ASTRI) has adopted blockchain and Internet of Things (IoT) technologies to create the "Next Generation Cold Food Import Safety Management Platform" to digitise and enhance the monitoring and control of the import of frozen or chilled meat from Mainland China.



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The Next Generation Cold Food Import Safety Management Platform stores all import documents and container temperature data on the blockchain. Those who have been granted access rights, including farms, processing plants, importers and exporters, and approval units, will share the same documents and data to ensure consistency.

Trucks will use the Global Positioning System (GPS) to record their driving routes and use an advanced electronic lock and thermometer to monitor the status of the container door and the temperature inside, uploading it to the system platform and storing on the blockchain in real time.

Dr Lucas Hui, ASTRIâ??s Acting Co-CEO cum Chief Technology Officer, said, "ASTRI has always been committed to using advanced scientific research to assist the government and the industrial and commercial sector in addressing problems and optimising operations, thereby improving the quality of life for our citizens. With the Next Generation Cold Food Import Safety Management Platform, we can assist importers and relevant government departments in more efficiently processing food import applications."