



Next Generation Cold Food Import Safety Management Platform

Introduction to CFISM's Fintech Portal Demonstration Site

Classification: Restricted

Version 1.0

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The Hong Kong Applied Science and Technology Research Institute

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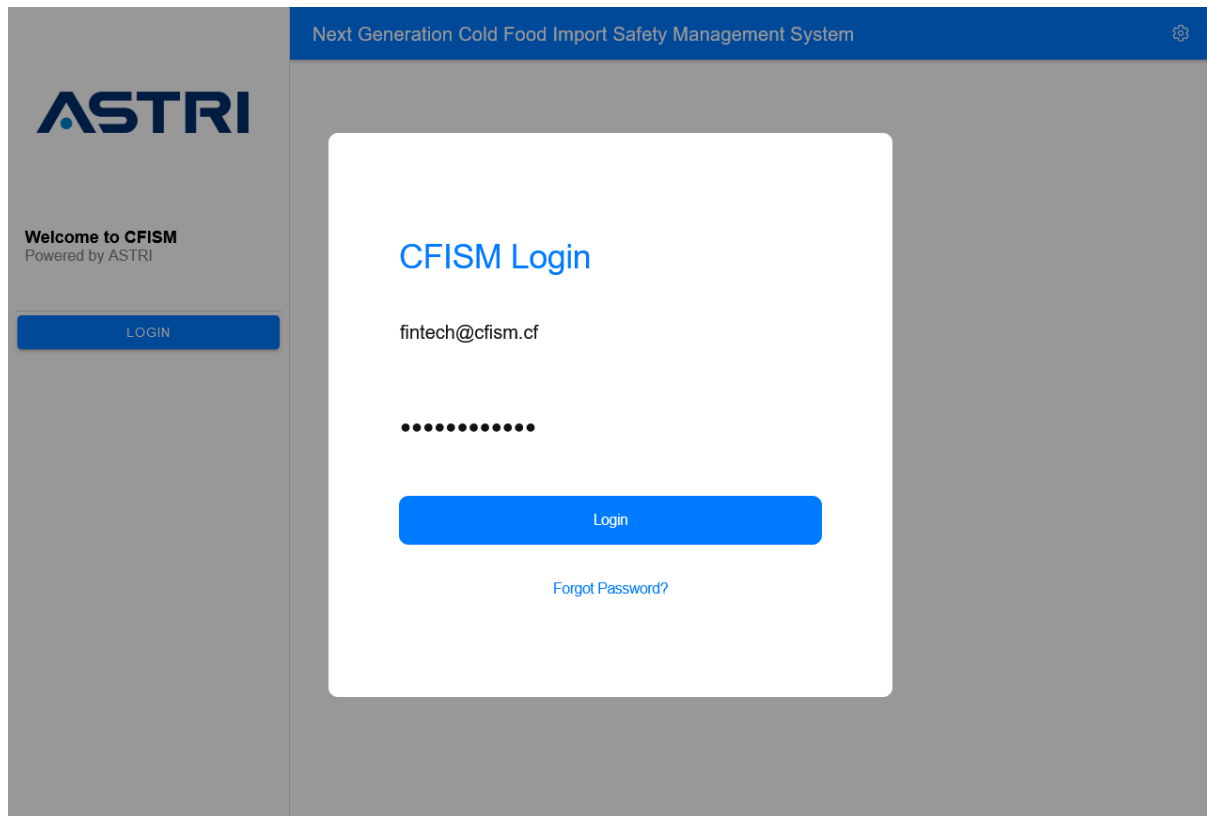
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1 Introduction

In this demonstration, consignments of chilled poultry are transported to Hong Kong by an importer from the processing plant. Health certifications and import licences are required to import chilled poultry to Hong Kong. When the consignment arrives in Hong Kong, the Man Kam To Food Control Office inspects the documents and the consignment. CFISM simplified the process and reduced the inspection rate using blockchain and IoT technology.

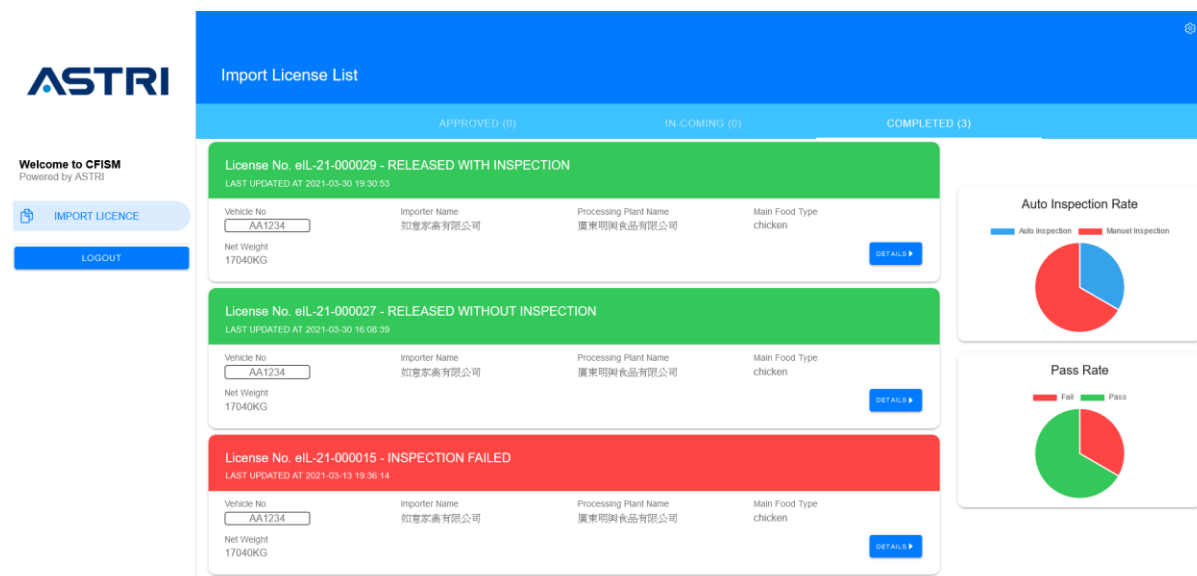
2 Login

A demo account is prefilled. Press "Login" to log in to the demo site.



3 Import Licence List

After logging in to CFISM, you will see a list of import licences.



There are three statuses of import licences: Approved, In-coming, and Completed. Here is the meaning of these statuses:

Status	Meaning
Approved	The import licence was already approved, and the consignment is waiting for transport to Hong Kong.
In-coming	The consignment associated with the import licence has started the transportation to Hong Kong.
Completed	The consignment was either inspected or released without inspection by the FEHD.

Inspections of the consignments can have three kinds of results:

Status	Meaning
Released with inspection	The consignment was inspected by FEHD and was released as it passed the inspection.
Released without inspection	The consignment was not selected for inspection by FEHD or the CFISM's Predictive Risk Assessment as the risk was low.
Inspection failed	The consignment was inspected by FEHD and was not released as it failed the inspection.

4 Import Licence's Detail

The application details of the import licence can be viewed by clicking the details button. If the inspection passes, a release letter is available for download.

ASTRI Import License Application

IMPORT LICENCE SENSOR GPS E-LOCK

Welcome to CFISM
 Powered by ASTRI

IMPORT LICENCE

LOGOUT

← BACK

PASS

License No.	Importer's Declaration	Application Status	Application Date
eIL-21-000029	CONFIRMED	COMPLETED	2021-03-29

Date of Import	2021-03-30	Delivery to	Hong Kong
Hong Kong Vehicle Registration No.	AA1234	Trailer Number	T12345
Guangdong Vehicle Registration No.			

ASTRI Import License Application

IMPORT LICENCE SENSOR GPS E-LOCK

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IMPORT LICENCE

LOGOUT

Food Description	Chicken, whole (not cut in pieces), Unprocessed (chilled)	Health Certificate No.	220000002782342037
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Quantity	Net Weight	C.I.F. Value (in HKD)
740 Cartons	17040 Kg	443040

Number	Name	Address
4400/12345	廣東明興食品有限公司	博羅縣福田鎮平安中路234號

DOWNLOAD FOOD RELEASE LETTER

4.1 Release Letter

Release letters are only available if the consignment passed the inspection or was not selected for inspection. Here is the detail of the release letter:

Consignment Case No.	Date of Issue
	2021-03-30

GOOD LUCK POULTRY (HK) CO., LIMITED
 8 Yue Yee Tsuen, Fanling, New Territories, Hong Kong
 TR-88-12345
 8 Yue Yee Tsuen, Fanling, New Territories, Hong Kong
 Contact Person: 如意家禽有限公司

Dear Sir/Madam,

Release of Food Consignment from the Mainland

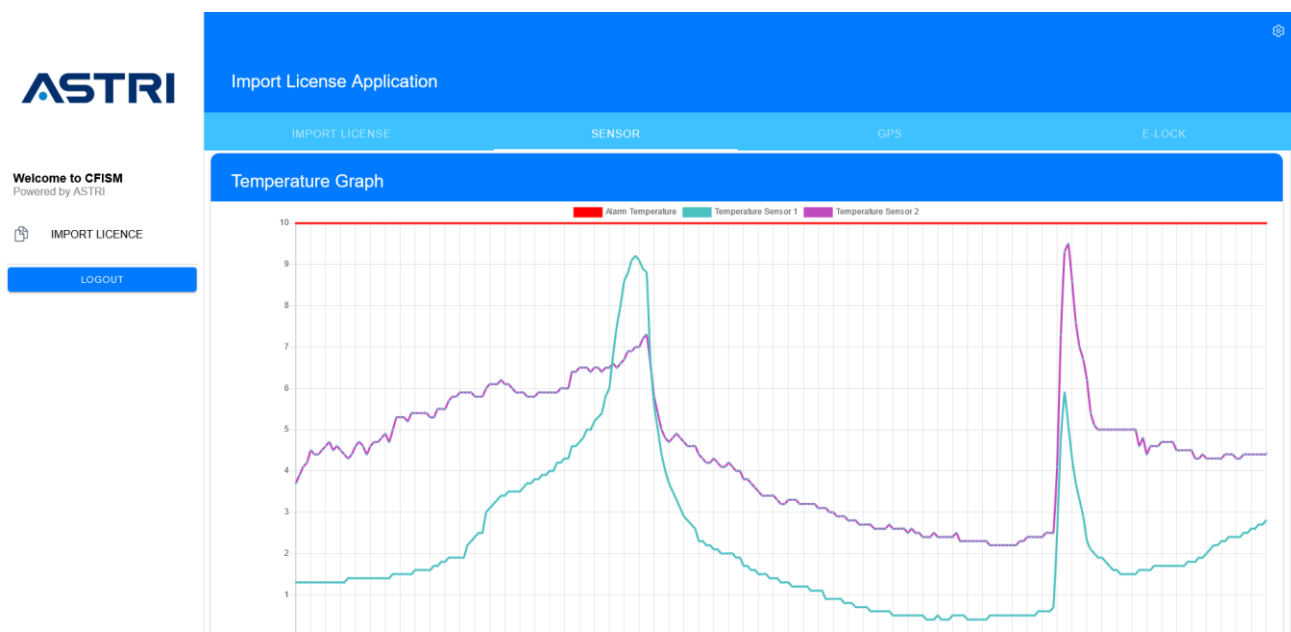
Vehicle no. (HK) : AA1234
 Vehicle no. (GD) : 粵A12345
 Date of Arrival : 2021-03-30

This is to inform you that this Department has completed the clearance procedures on the following food items which can now be released:

Item	Food Description	Import Quantity	Net Weight
1	Chicken, whole (not cut in pieces), Unprocessed (chilled)	740 carton	17040 Kg
	Import Licence No.: eIL-21-000029	Health Certificate No.:	220000002782342037
2			
	Import Licence No.:	Health Certificate No.:	

4.2 Temperature

The temperature of the consignment throughout the trip to Hong Kong can be viewed in the "Sensor" section. The CFISM monitors the temperature and would use it as one of the factors for the Predictive Risk Assessment. This truck had two temperature sensors installed.



4.3 Location

The location of the truck was also captured and monitored by the system. The detail can be viewed from the GPS section.

Import License Application

IMPORT LICENCE

SENSOR

GPS

E-LOCK

Final Location

LAST UPDATED AT 2021-03-30 19:29:02

Latitude

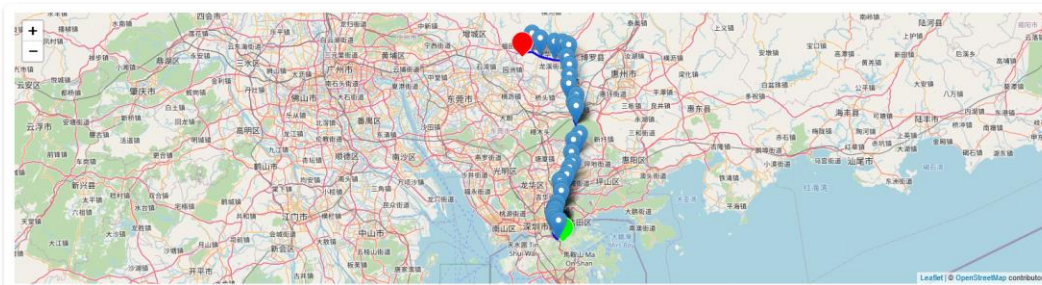
22.496859

Longitude

114.147152

Speed

0.00 km/h



Time

Latitude

Longitude

Speed

4.4 E-lock

An e-lock was used for locking the consignment to prevent unauthorised access. The lock and unlock record can be viewed from the E-lock section. Apart from FEHD, it may also be inspected by the Customs at the border. They were equipped with handheld devices to unlock the e-lock.

Import License Application

IMPORT LICENCE

SENSOR

GPS

E-LOCK

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Lock History

Time	User ID	Operation
2021-03-30 17:00:52	api_importer	Lock
2021-03-30 18:53:09	customs	Unlock
2021-03-30 19:06:25	customs	Lock
2021-03-30 19:28:11	fehhd	Unlock

*** ENDS ***