

**Details and Timetable for Introducing Various Technologies /
Methods of Rodent Surveillance and Control
by FEHD in Recent Years**

Technology / Method	Details of Trial / Application	Timetable for Introduction
Thermal camera monitoring system	FEHD conducted field trials on thermal imaging cameras with artificial intelligence analytical function (thermal camera monitoring system) at a number of locations (including target areas of the anti-rodent operations in designated target areas) in 2020. The trials have shown that the new technology is quite effective in identifying places where rodents frequently visit and the time and pattern of rodent activities, as well as assessing and quantifying anti-rodent work.	FEHD installed the thermal camera monitoring system at selected locations of all target areas during the second round of anti-rodent operation in designated target areas in November 2020. FEHD plans for a wider use of the thermal camera monitoring system at suitable locations in all districts across the territory (including during the anti-rodent operations in designated target areas), with a view to increasing the effectiveness of the operations, and will recommend the technology to other departments.
Using a poisonous bait having flavours	The bait was tested in the laboratory and public rear lanes in seven	FEHD will introduce the use of the bait in its regular anti-rodent

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of food for rodent disinfestation	districts respectively for its attractiveness to rodents and poisoning efficacy between October 2019 and July 2020. The results have shown that the poisonous bait is effective in attracting the consumption of rodents and poisoning them.	work. It is expected that the bait will be put into use in the third quarter of 2021.
New design snap trap	The snap trap was tested in five districts and six markets respectively between January and June 2020. The results have shown that the new design snap trap is effective in catching rodents.	After testing for about six months, FEHD has put the snap trap into full use in its regular anti-rodent work since the second quarter of 2021.
Placing poisonous baits in a T-shaped bait box	The bait box was tested in Kwun Tong District between October and November 2020. The results have shown that the T-shaped bait box is more effective in attracting rodents to enter and consume the baits than ordinary rectangular bait boxes.	FEHD has put the T-shaped bait box into full use in its regular anti-rodent work since the second quarter of 2021.
Application of the Geospatial	FEHD will disseminate detailed information at	It is expected that the platform will be put into

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Information Hub (GIH) platform	individual survey locations of the Rodent Infestation Survey to various departments through the Government's GIH platform.	use in the third quarter of 2021.
Application of Internet of Things (IoT) solutions	FEHD is working with the Electrical and Mechanical Services Department to launch a pilot scheme in Yeung Uk Road Market, Tsuen Wan to deploy wireless motion sensors, rodent traps, bait boxes, etc. through the application of IoT solutions, so as to step up the monitoring of rodent prevention and control work in markets, and carry out focused improvements and follow-up work.	The design of the system is underway. It is expected that installation of the system will commence in the third quarter of 2021.

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