

Name of Project	Smart Trap Tracker
Name of Organization	Perbadanan Putrajaya
Profile of The Team And Company	<p>The team was formed based on the decision of Department of City Services, Putrajaya Corporation management meeting on January 07, 2020 which decided an effort must be taken to address the issue of increasing complaint of nuisance animals especially stray dogs.</p> <p>This team consists of 7 members from the Division of Environmental Health, Putrajaya Corporation who was tasked to monitor day to day environmental safety and health situations in Putrajaya. The team is led by Dr Mohd Helmi Bin Abdul Hamid, the division director who is also the team facilitator.</p> <p>The team is called Nviro-X and it aims to encourage the creation of environmental innovations to improve the quality of Putrajaya Corporation services as a local authority.</p>
Main Causes Of Problems	<p>Nuisance animals such as stray dogs and cats are becoming an issue for the local authorities as it gives a negative impact, especially on human health and safety. Based on statistical data from Perbadanan Putrajaya (PPj), there is uptrend on nuisance animals' complaints from 2020 with 174 complaints, 231 complaints in 2021 and 206 complaints in 2022 with an average of 204 complaints annually. There are several controlled measures being carried out to curb the increasing population of nuisance animals such as by using a trap that installed in several potential locations, especially in residential areas. However, there are several problems identified regarding the conventional method of trapping which are ineffective procedures to identify, and record installed trap status and location, longer time required for trap inspection and monitoring, trapped nuisance animals is illegally released by the public, and theft risk. Thus, the objective of Smart Trap Tracker (STT) is to increase the efficiency of conducting daily monitoring of the installed trap and to reduce illegal release by public as well as reducing vandalism. Through this project, every trap installed will be equipped with a detection device integrated with a system that capable of sending a notification of the trap's status and location. The staff on duty will be notified via mobile phone regarding the trap's status and location in real time. The implementation of the STT has been carried out within three-month trial periods and shows a positive impact with 40% efficiency in time savings, 40% reduction in management costs, and 30% reduction in public complaints compared to previous procedure which required more costs and longer period of solving the complaints. In short, the use of the system can be replicated to other practices to increase the usefulness of the ideas.</p>
Project Benchmarks	<p>The benchmark visit was carried out in 2022. Seberang Perai City Council (MBSP) and Kuala Lumpur City Hall (DBKL) implemented the manual method of using wild cat and dog traps. While the Port Dickson Municipal Council (MPPD) implements a trap method equipped with triggered alerts by SMS.</p>

**Awards,
Accolades &
Recognition**

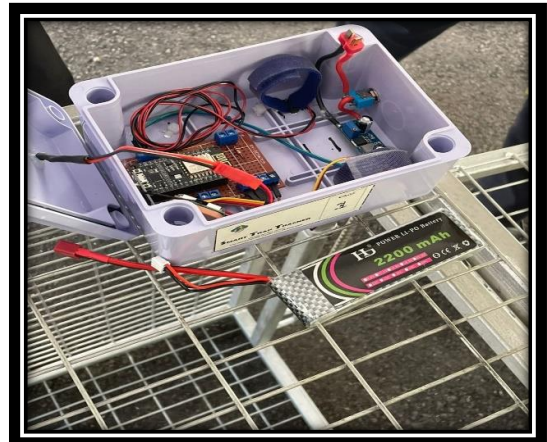
1. International Quality & Productivity Convention (IQPC) 2023 organized by Indonesia Quality & Productivity Management Association and Wahana Kendali Mutu, Indonesia.

i. Excellent Awards



Smart Trap Tracker

**Innovation
Project
Photos**



Group Photos

