



ANNEX D

FACTSHEET

Smart Nation Sensor Platform

Singapore aims to be a Smart Nation where people live meaningful and fulfilled lives, enabled seamlessly by technology which offers exciting opportunities for all. We want to have an anticipatory Government to serve citizens and businesses better; and to empower citizens and businesses with information that will allow them to make meaningful choices to improve their lives.

Under the **Smart Nation Sensor Platform** (SNSP) project, the Government Technology Agency (or GovTech) is progressively testing and deploying different ways to serve citizens better through sensors and related technologies. The SNSP comprises common infrastructure and services such as a data sharing platform, video and data analytics, and 2D/3D data visualisation capabilities.

SNSP will better serve citizens' needs through the analysis of sensor data collected via a shared nationwide network of sensors. By utilising existing infrastructure to collect and share data, agencies can make use of more comprehensive insights to better sense, understand and make decisions on city planning in a cost-effective way. This can help improve citizens' quality of life and everyday living.

Under phase 1 of SNSP, GovTech – working with other public agencies – has deployed environmental sensors and trialled emerging wireless communications technology and basic video analytics in various estates, such as Yuhua and Orchard Road.

Moving into phase 2 of SNSP, GovTech is focusing on more citizen-centric applications and services. These include providing the technical expertise for the expansion of a computer vision drowning detection system in public swimming pools, trialling an IoT-enabled personal alert button for seniors, and trialling smart on-street parking.

GovTech will also work with the industry in the second half of 2019 to commence the Lamppost-as-a-Platform (LaaP) trial in one-north and Geylang to test out use cases in the municipal and estate, mobility and security domains. These could include environmental sensors to monitor air quality and noise, cameras to detect, classify and count Personal Mobility Devices (PMDs) in public spaces, as well as the use of crowd analytics for urban, event and transport planning.

In 2020, government agencies will be able to share sensor data through the SNSP to facilitate better sense-making and improve situational awareness in a cost-effective manner. There are plans for sensor data to be shared with the industry and public by 2022.

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