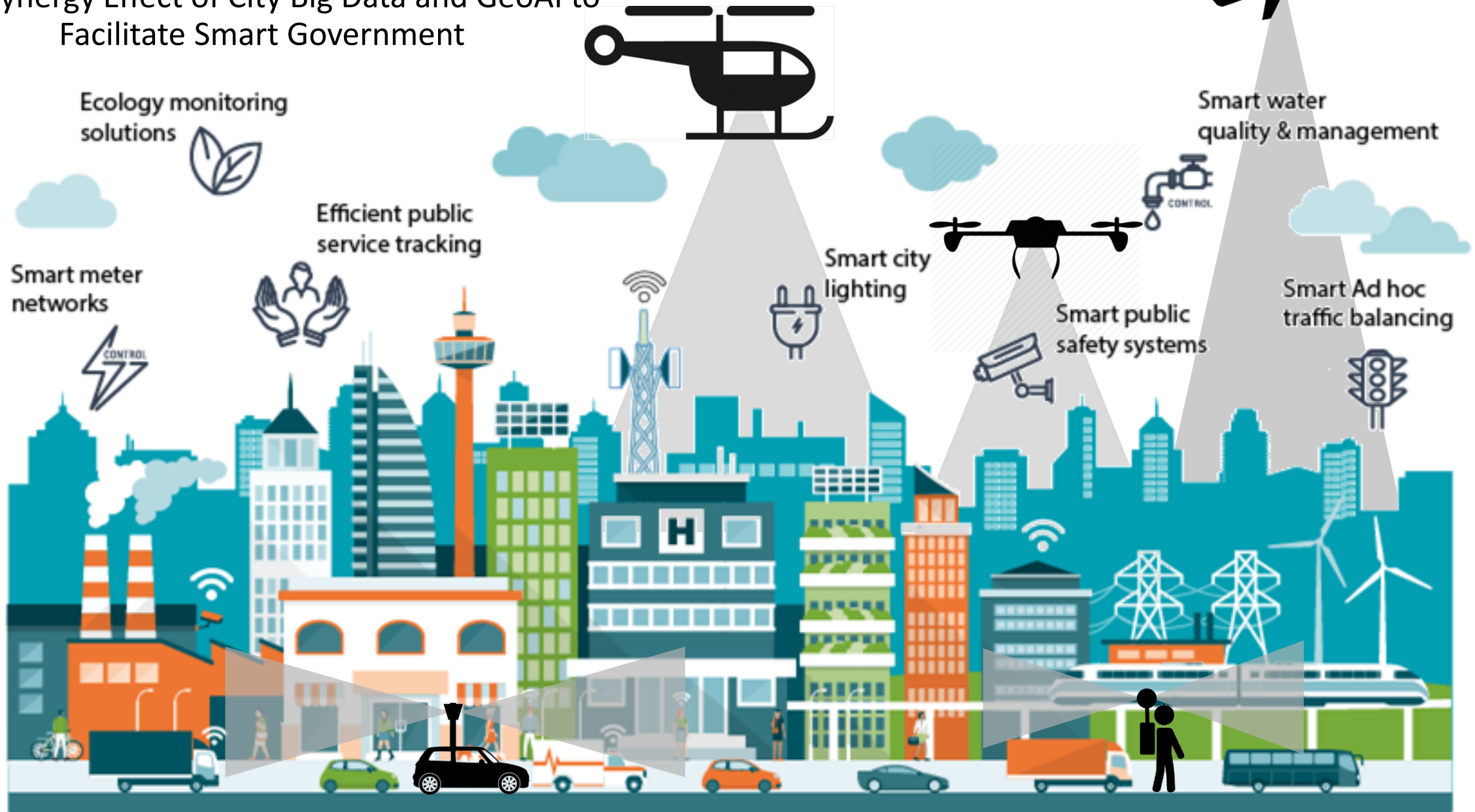


A City Big Data Company - 城市大數據公司

The Synergy Effect of City Big Data and GeoAI to Facilitate Smart Government



Ecology monitoring solutions



Efficient public service tracking



Smart meter networks



Smart city lighting



Smart public safety systems



Smart water quality & management



Smart Ad hoc traffic balancing



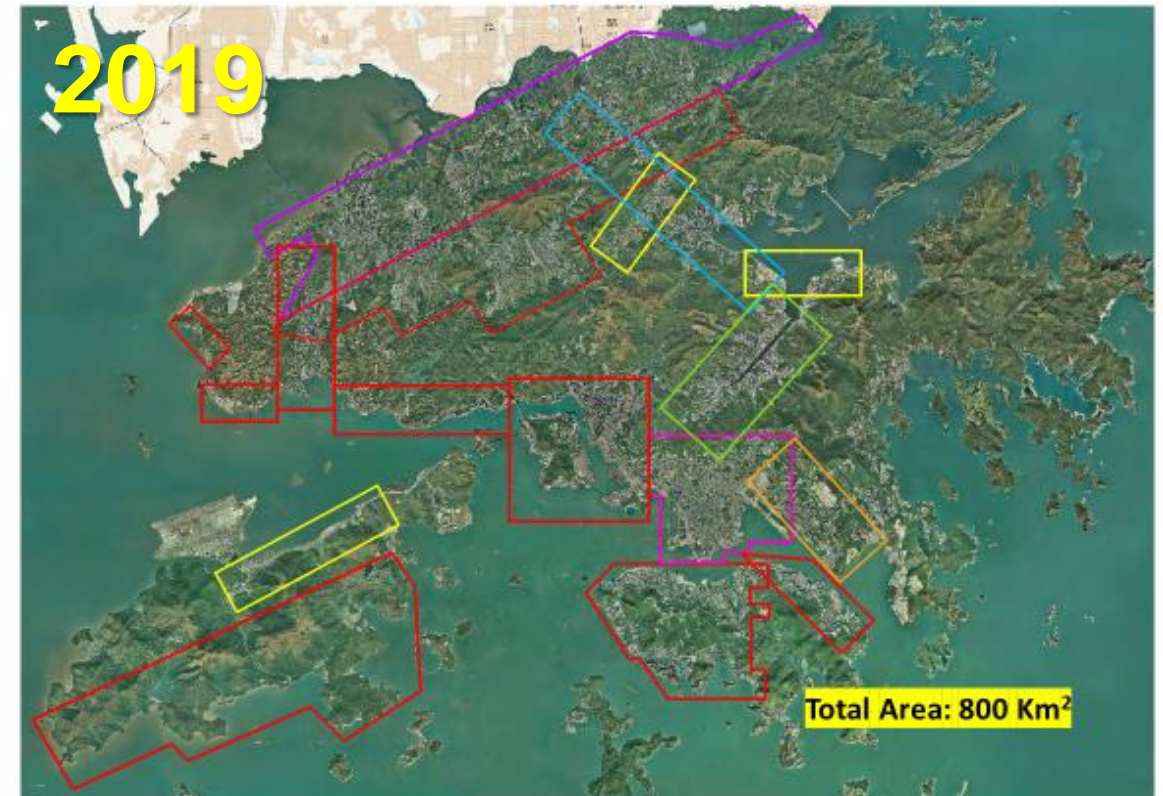
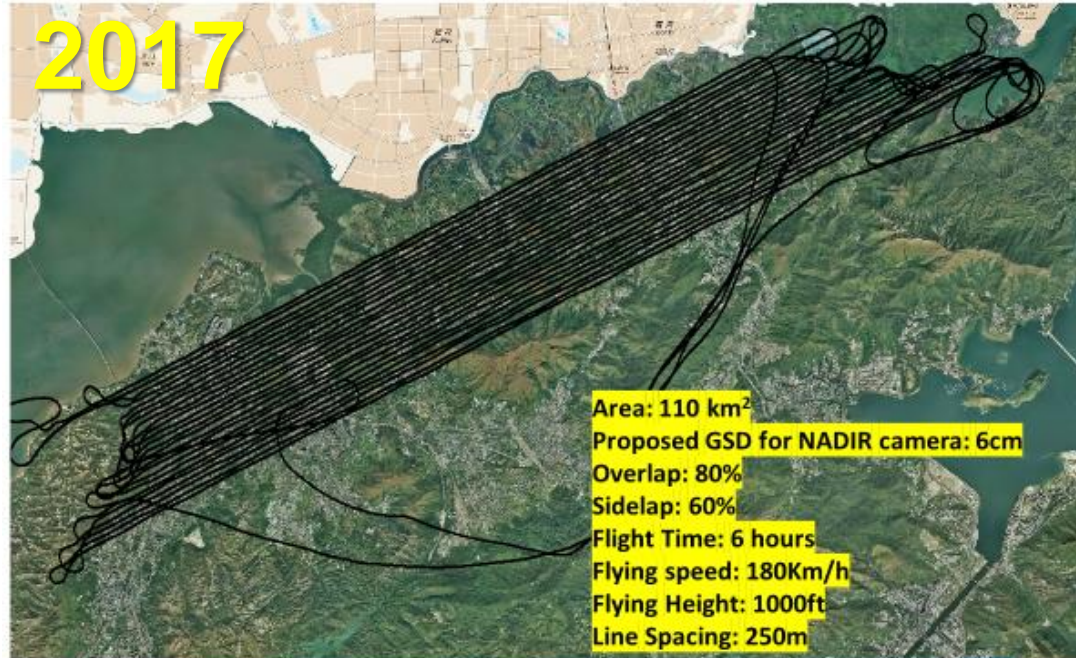


香港創新科技成就大獎銅獎2018



Project Experience of Data Acquisition

At 6th Sep 2017 – We Made This Record
Single Day Captured **110km²** AOI Oblique + Nadir Aerial Data

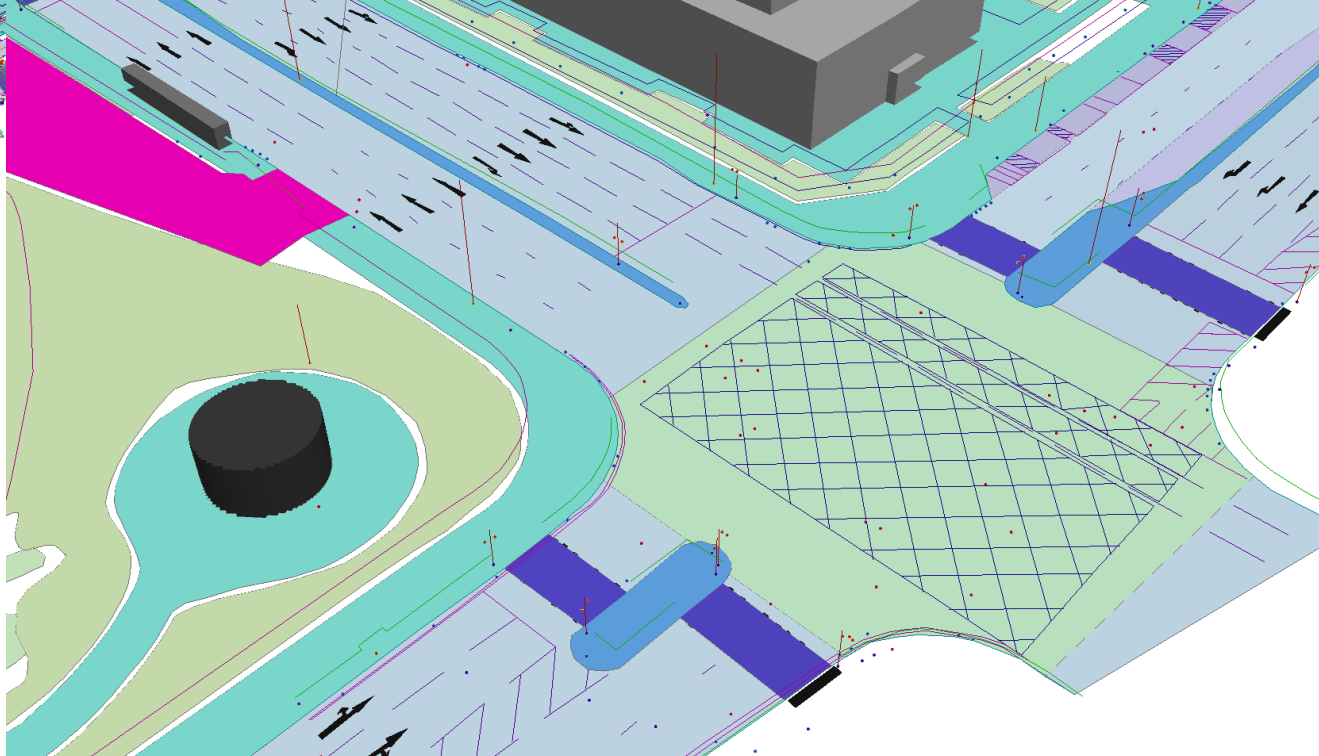
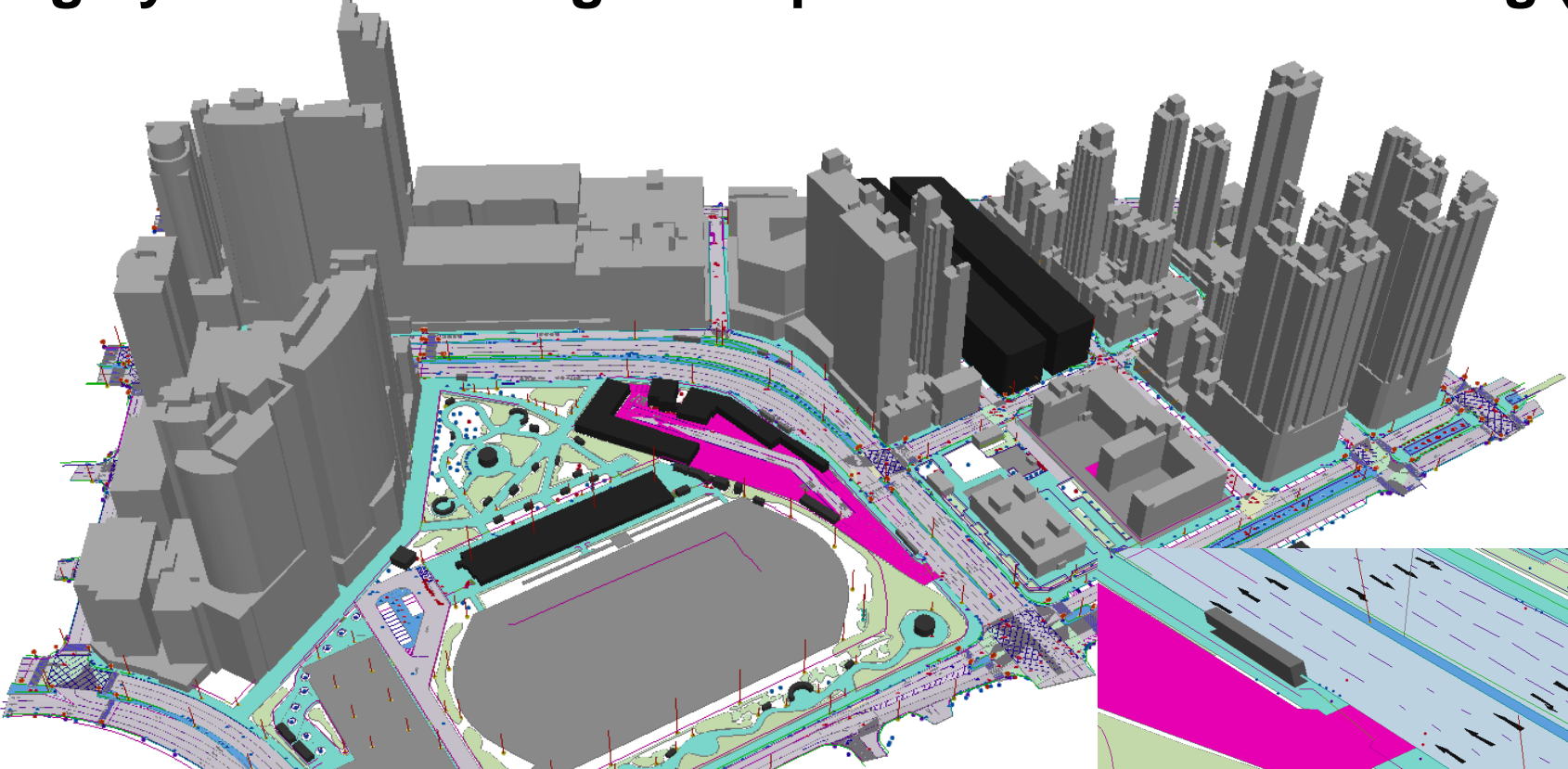


2 Months Finished
1,106 km² Generated
100TB Data

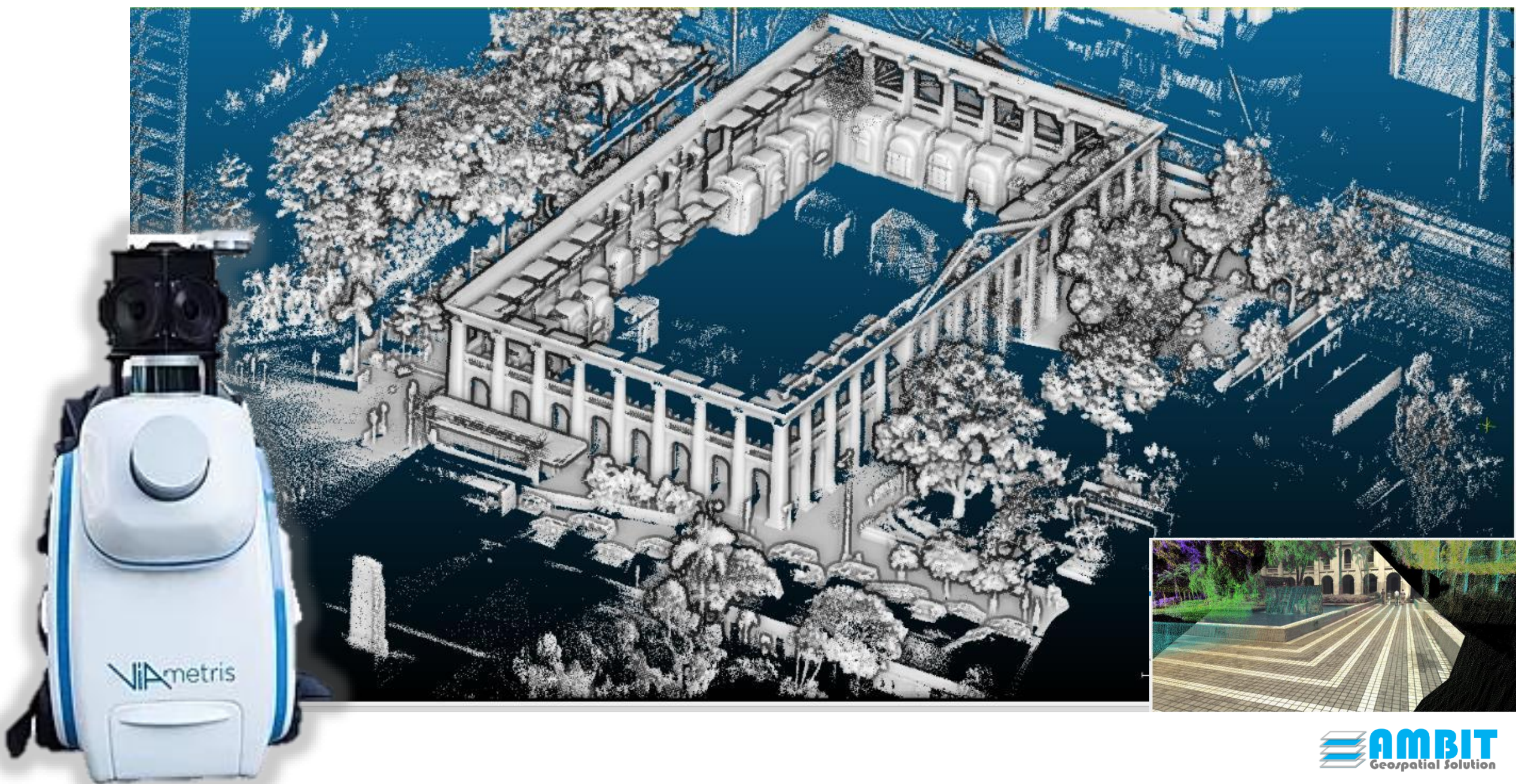
3D Digital City Model Created by Our Patented System at 2017 in Ground Resolution of 5cm



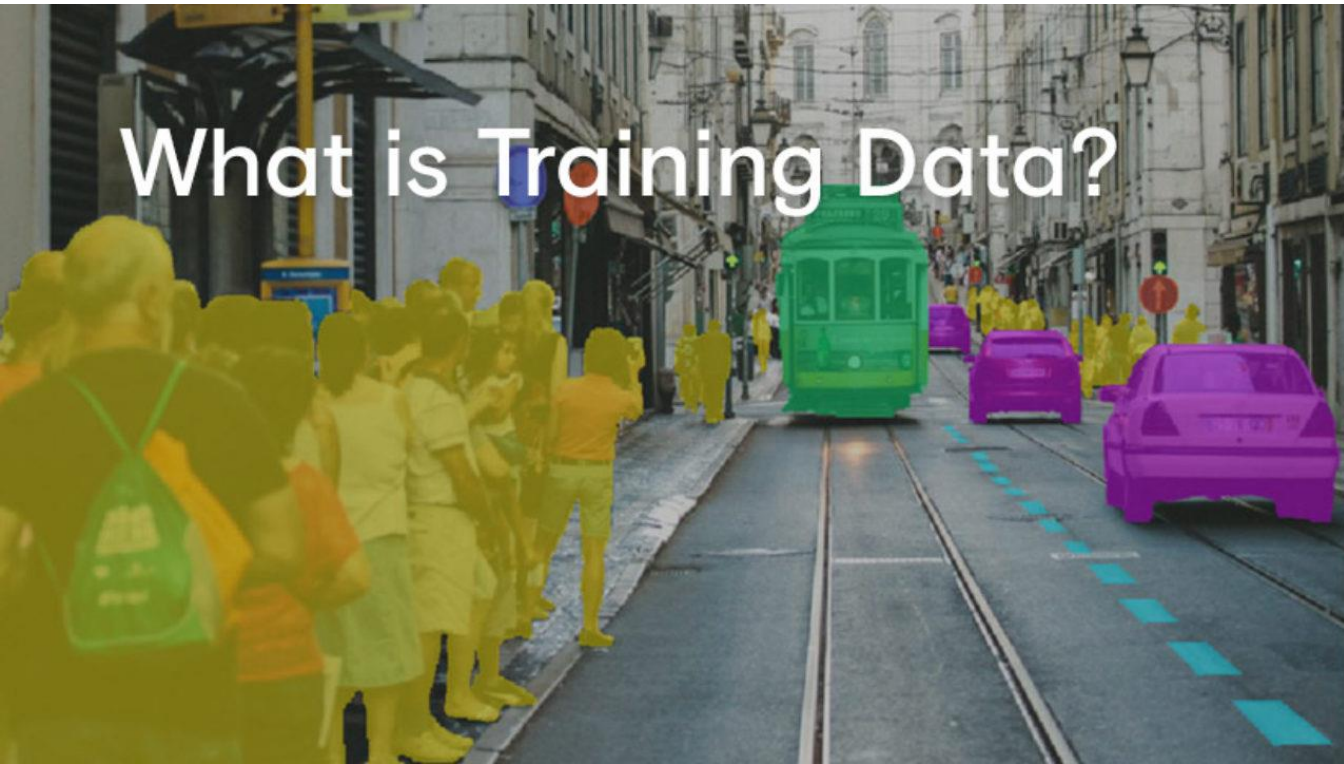
Highly Resolution Digital Map For Autonomous Driving (Demo Case - 長沙環)



Backpack Mobile Mapping System in Statue Square (Demo Case - 皇后像廣場)



Key To Success --- for Smart Government ---- City Big Data + GeoAI



What is Training Data?

224 x 224 x 3 224 x 224 x 64

112 x 112 x 128

56 x 56 x 256

28 x 28 x 512

14 x 14 x 512

7 x 7 x 512

1 x 1 x 4096 1 x 1 x 1000

- convolution + ReLU
- max pooling
- fully nected + ReLU
- softmax

$ab+ac = a(b+c)$
 $\frac{a(b/c)}{d} = \frac{ab}{bc}$
 $\frac{a}{(b/c)} = \frac{a}{bc}$
 $\frac{a}{(b/c)} = \frac{ac}{b}$
 $\frac{a+b}{c} = \frac{ad+bc}{bd}$

$f(x) \leq 5$
 $X^2 - 4X + 5 \leq 5$
 $X^2 - 4X \leq 0$

$n(B \cap C) = 22$
 $n(B) = 68$
 $n(C) = 84$
 $n(B \cup C) = n(B) + n(C) - n(B \cap C)$

$\log_b b^x = x$
 $\log_b x = \frac{\log_a x}{\log_a b}$
 $\log_b(x^r) = r \log_b x$
 $\log_b(xy) = \log_b x + \log_b y$
 $\log_b\left(\frac{x}{y}\right) = \log_b x - \log_b y$

$a(b/c) = \frac{abc}{c}$
 $a+b = b+a$
 $a(b+c) = ab+ac$

$126 = 6xy$
 $2x + 2y = 20$

$a_n = \frac{1}{2^{n-1}}$
 $= \frac{1}{2^9}$

$a^2 + b^2 = c^2$
 $a = \sqrt{c^2 - b^2}$

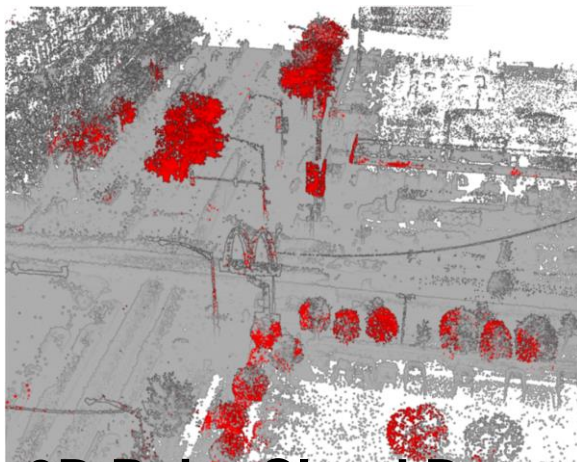
$x^2 - a^2 = (x+a)(x-a)$
 $x^2 + 2ax + a^2 = (x+a)^2$
 $x^2 - 2ax + a^2 = (x-a)^2$

$|a| = |a|$
 $|a| \geq 0$
 $|ab| = |a||b|$

$ab+ac = a(b+c)$
 $ab(c-d) = a(cb-d)$
 $ab(c-d) = a(cb-d)$
 $(a+b)(c-d) = ac-bd+ad-bc$
 $(a+b)(c-d) = ac+bd$

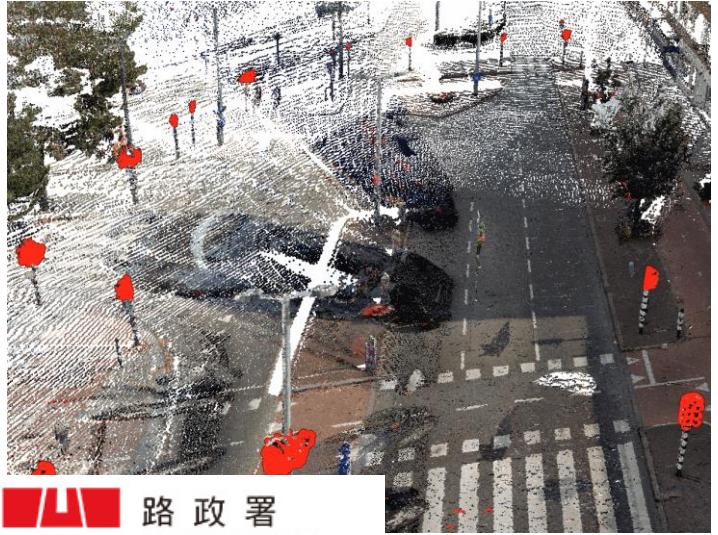
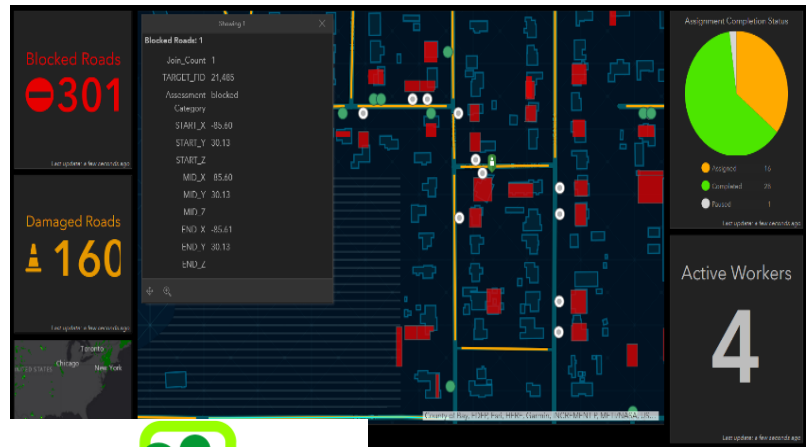
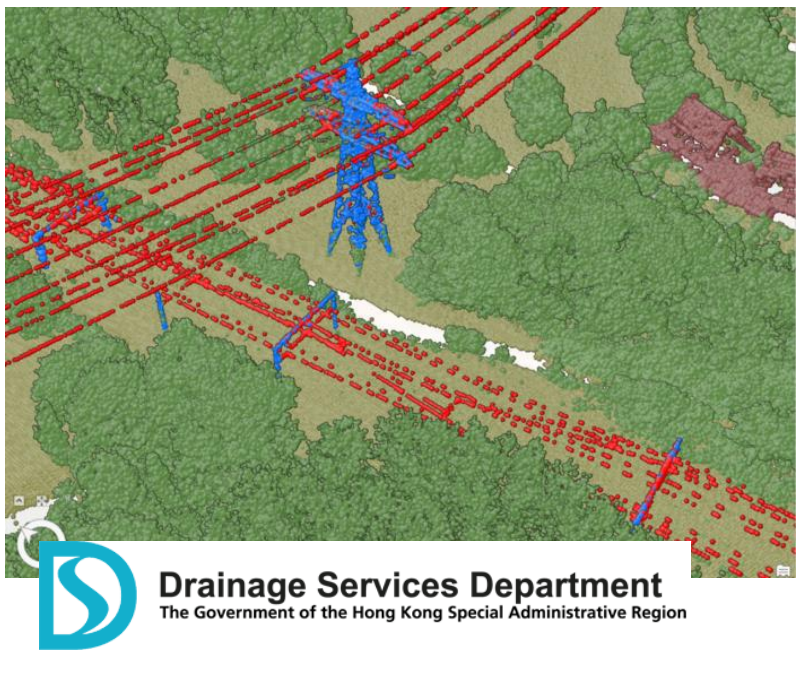
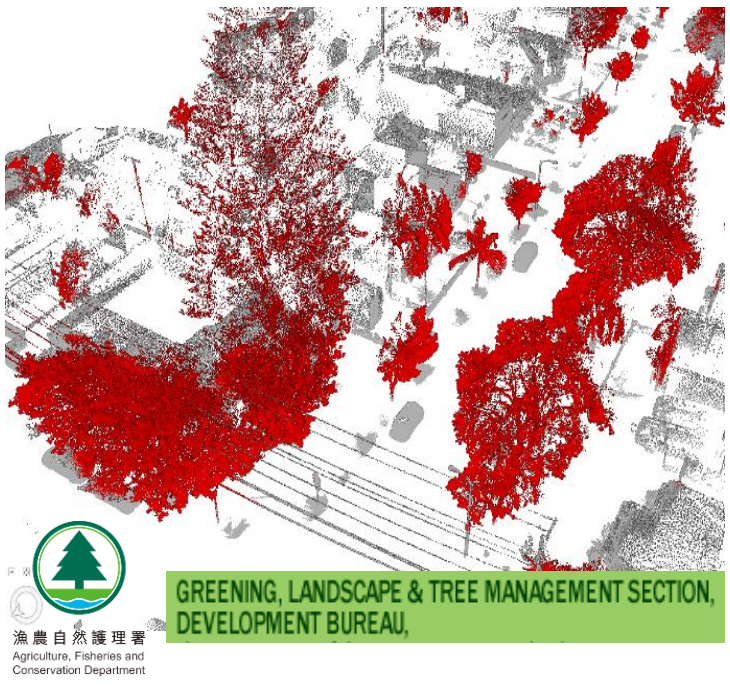


2D Imagery Data



3D Point Cloud Data

Facilitate Decision Making in Emergency Response & Optimise Routine Operation

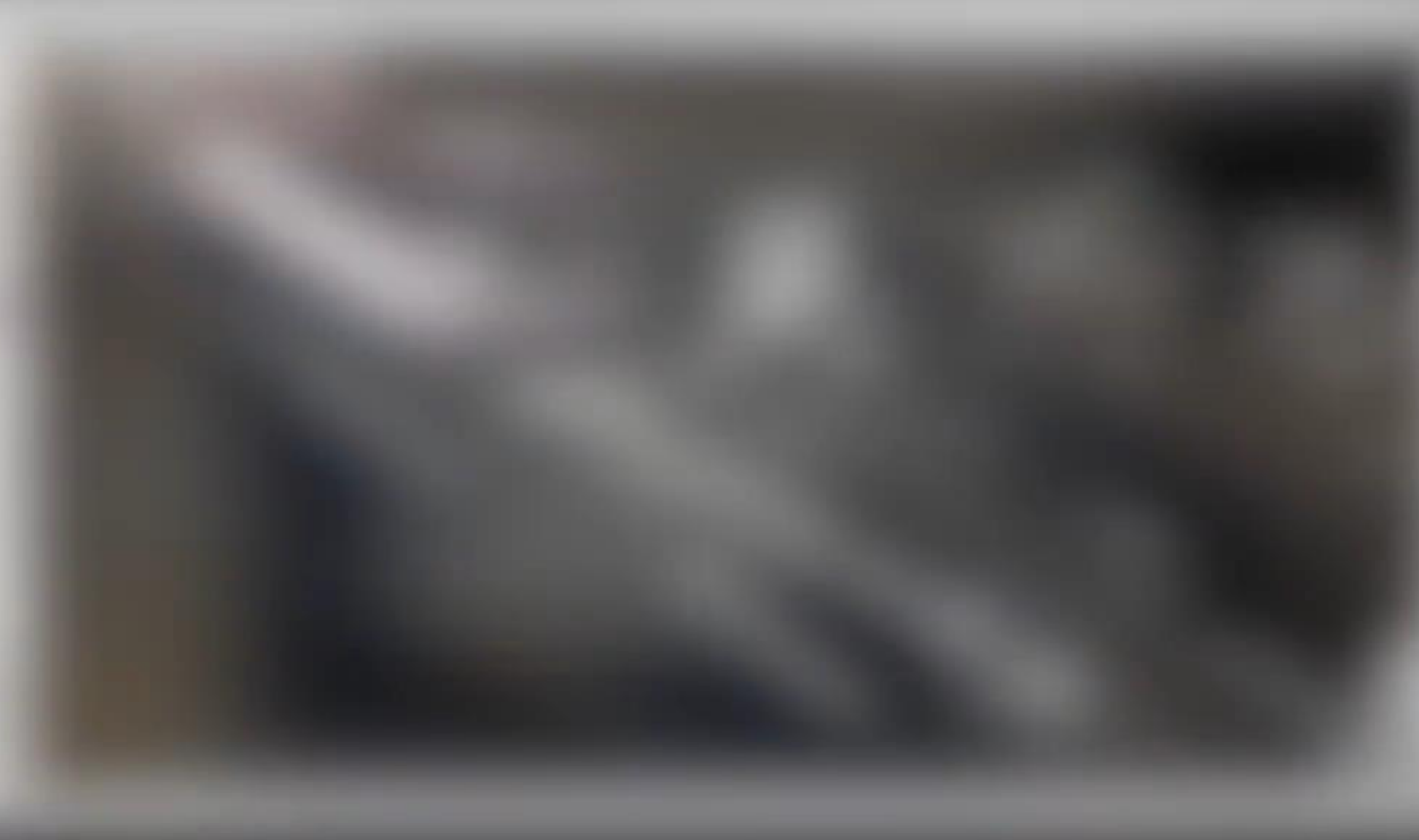


Custom AI Auto Analysis Applicationsetc... Streetview Objects Detection

The screenshot displays a web-based interface for street view object detection. The central focus is a street view image of a busy urban intersection in Shenzhen, China, with various buildings and storefronts. Yellow bounding boxes are overlaid on the image, indicating the detection of various objects. Below the image, an analytics panel provides a summary of the detected objects:

Object Type	Count
bus	2
car	17
person	114
stop sign	1
traffic light	13
truck	10

The interface also includes a sidebar with navigation icons, a top-right map showing the location in Shenzhen, and a bottom section with a zoomed-in view of the city and a page number '1 of 1'.





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Q & A

