

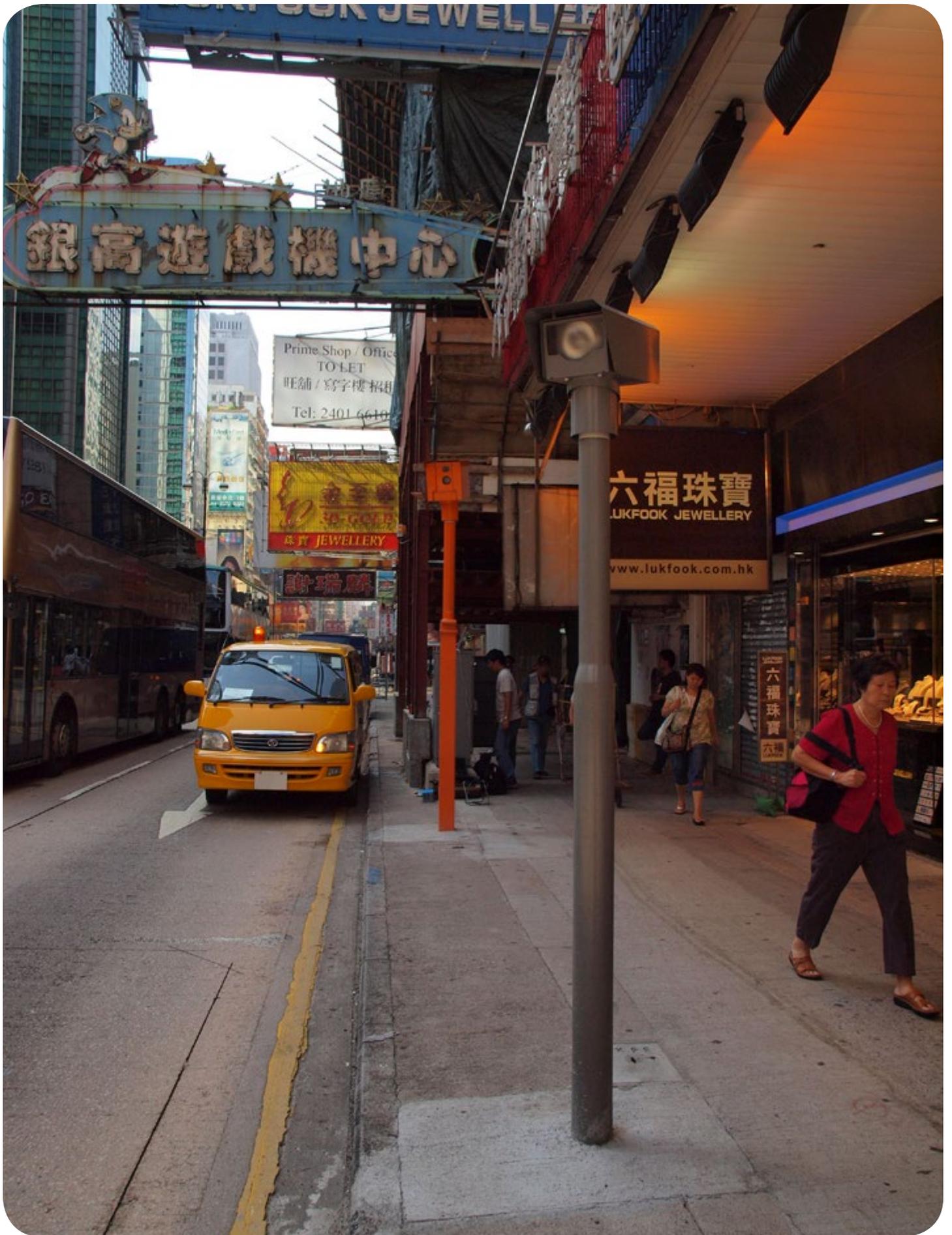


GATSO

INTERSECTION SAFETY

Case study: Hong Kong





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MEETING THE INTERSECTION SAFETY CHALLENGES OF HONG KONG

Hong Kong has the second highest population density in the world and with that comes a high density of vehicles. Automated red-light enforcement is nothing new for Hong Kong, but by 2008 their system, which still partially relied on wet-film and low-resolution cameras, was struggling. The small number of systems in service was no longer coping with the ever-increasing enforcement needs: the city needed a modern, state-of-the-art enforcement solution.

THE KEY CHALLENGES

The new enforcement system needed to monitor wider junctions with multiple lanes. The technology also had to withstand very warm temperatures and high levels of humidity while still producing crystal clear images and indisputable evidence.

The Hong Kong Department of Transport were keen to avoid any risk of wrongful prosecution. One of the main priorities was to implement a system that would be completely accurate and reliable.

The client also wanted a solution that would not dominate the streetscape but which would be clearly visible from a distance so that drivers had ample time to slow down. The equipment also had to be easily accessible for service.

They commissioned independent expert Dr. Yung to help them find the best solution.



SOLUTIONS THAT STAND UP TO THE TEST

GATSO extensively tests its technology in all kinds of conditions. This ensures that it works effectively day and night, 365 days a year, even in extreme temperatures and humidity. In Hong Kong, the testing and evaluation didn't stop once the contract had been awarded. Dr. Yung's team carried out independent accuracy and reliability tests at every intersection where the system was deployed. After almost 15 months of tests, and having reviewed more than 20,000 individual cases, Dr. Yung was able to conclude: "All of the

KEY FEATURES:

- Supply and installation of 77 Cameras covering 75 intersections
- Roadside cabinets for easy access
- Inductive loops - high detection rate and accuracy
- High resolution cameras for crystal clear images
- Event recorder for additional evidence
- Compact camera units installed on high visibility posts
- Fully maintained

GATSO systems work according to the specification and performed reliably over the time period."

GATSO's solution was to split the system and take some parts out of the pole and place them in a separate roadside cabinet at street level. This completely fulfilled the customer's need for a compact camera housing with little impact on the streetscape and easy accessibility for servicing.

" GATSO, together with its local partner Serco Hong Kong, won the contract on the strength of their tender, which was subjected to two rigorous evaluation processes: one focusing on the technical solution and one focusing on the financial proposition. This left us with no doubt about choosing GATSO." **Dr. Yung**

NO ROOM FOR DOUBT WHEN IT COMES TO ROAD SAFETY

For the City of Hong Kong, it's a question of improving road safety. Multiple steps were taken to ensure that drivers were fully aware of the enforcement measures in place. Road signs announce that cameras are in operation; posts are painted bright orange; and a list of all camera locations is published on the Police Department website.

" The combination of still images and video enables the police to identify any mitigating circumstances surrounding the offence before they make a decision to issue the ticket. This also allows people who have received a fine to review the entire event. Experience so far suggests that once a driver sees the offence on film they don't challenge the penalty. This saves a considerable amount of time in terms of manpower and unnecessary disputes." **Dr. Yung**

A JOB WELL DONE

Processing red light offences is now faster, more accurate and more efficient. A modern and effective red light enforcement system is helping to make roads in Hong Kong safer.

In fact, 2010 recorded the lowest number of fatalities due to road traffic crashes since 1955¹.

“ I’ve dealt with many different contractors and if there’s one word that sets GATSO, and its partner Serco Hong Kong, apart that’s service. They don’t just see this as selling us a product or carrying out a project, it’s much more than that.”

Dr. Yung



PROJECT PROFILE

Client: Hong Kong Transport Department and Police Department

Client Project Expert: Dr. Yung, University of Hong Kong

Solution: GATSO STATIO — Intersection safety

Solution Provider: GATSO in partnership with Serco Hong Kong

GATSO

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