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Smart Traffic Control System on Dam Section of Tai Tam Road

#Advancedsystems

#Automation

#2019

#Construction



PROJECT QUICK FACTS

Co-investigator

• Collaboration

Transport Department

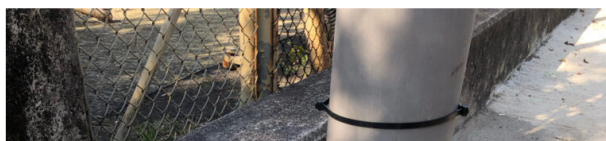
• Award

Silver Medal, 47th International Exhibition of Inventions Geneva

The Tai Tam Road (Dam Section) is part of the thoroughfare connecting Chai Wan and Stanley. Although it is only five metres wide, widening the road section is not possible as the dam is a declared monument. Hence, congestion problems occur when larger vehicles use the road section. To solve this problem, we have developed a Smart Traffic Control System by applying video analytic technology, which has been commissioned since August 2018, to collect real-time traffic information and adjust the duration of green signals.

Uniqueness and Competitive Advantages:

- Eight sets of traffic detectors are installed within 400 metres of either side of the scenic but congestion-prone road
- Vehicle types and dimensions can be detected and analysed for calculating the most effective green time
- The detectors capture images from a high angle to avoid weather, light and environmental impacts and protect drivers' privacy



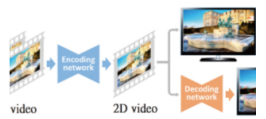


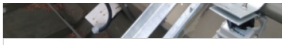
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