



ICAO Aerodromes Operations and Planning Sub-Group

AUTONOMOUS PATROL CARS WITH VIDEO ANALYTICS AT HONG KONG INTERNATIONAL AIRPORT

Presented by
Airport Authority Hong Kong

Autonomous Patrol Car (APC) Development

Development of
Autonomous Driving
Technology at HKIA

2019

**Sep
2021**

Live operation of APC
for perimeter patrols at
South Runway Road

**Mar
2022**

APC for
perimeter patrol
at North
Perimeter Road

2022/23

APC for perimeter
patrol at New
North Runway &
I-2RS



New North Runway & Interim-2RS

North Perimeter Road

South Runway Road

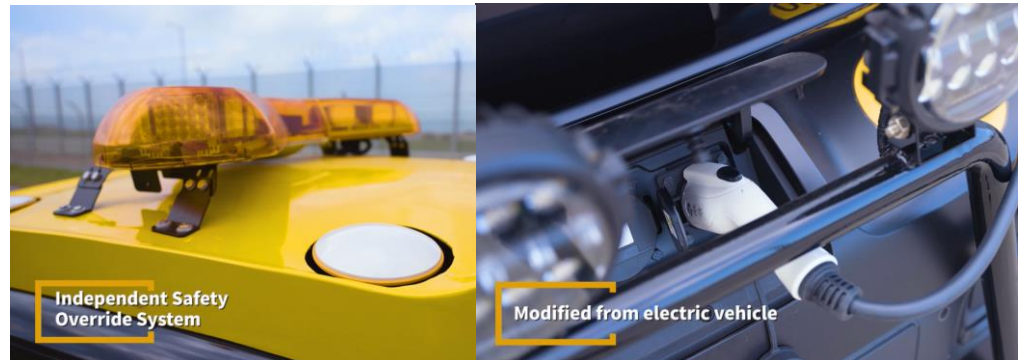
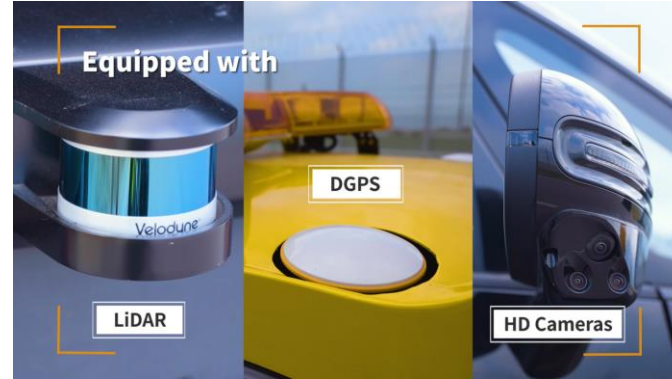
**Total mileage
over 68,000km**

Autonomous Patrol Car (APC)



World's first Autonomous Patrol Car
operating at airport's restricted area

KEY FEATURES



Video Analytics

KEY FEATURES

Human Intrusion Detection



Razor Wire Irregularity Detection



Live streaming (Remote Monitoring Unit)



APC for Perimeter Patrols



FIRST IN THE WORLD

- » Strengthen airport security
- » Assist daily patrols at the airport perimeter
- » Perform patrol duty under inclement weather
- » Security staff can monitor operations simultaneously
- » Mitigate manpower and resources through operational resilience

VIDEO

THANK
YOU

