

# Central-Wan Chai Bypass Tunnel - Air Purification System Maintenance

## Customer

FILTRONtec

## Location

Central-Wan Chai Bypass tunnel, Hong Kong Island

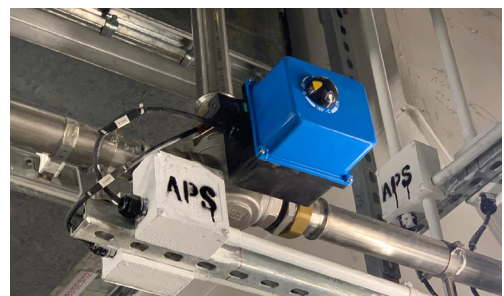
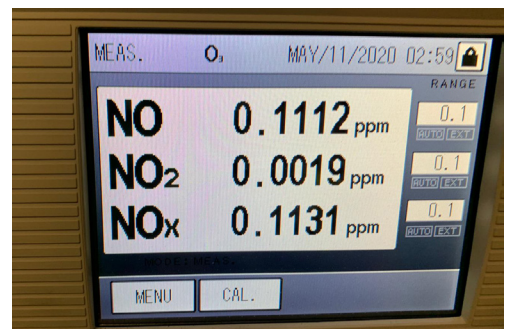
## Background

Contracted by equipment supplier FILTRONtec, Ampcontrol provided maintenance works on eight FILTRONtec air filter systems installed in the 3.7 km long Central-Wan Chai Bypass tunnel.

FILTRONtec's ultra-modern and efficient Air Purification System (APS) is the first high tech system of its kind to be used in a road tunnel in Hong Kong. This ventilation system provides fresh air to maintain good air quality for commuters while discharging vitiated air via exhaust points throughout the tunnel. The APS can treat up to 1500 m<sup>3</sup>/s of road tunnel exhaust air and can remove about 80% of the respirable suspended particulates including nitrogen dioxide (NO<sub>2</sub>), nitric oxide (NO) and nitrogen oxide (NO<sub>x</sub>).

## Achievements

- Provided installation support during the initial stages of the FILTRONtec APS project roll out in the Central-Wan Chai Bypass
- Fast maintenance support due to agile Hong Kong service team availability when COVID-19 travel restrictions prevented the customer from travelling internationally to complete scheduled project maintenance
- Maintenance completed during early morning shifts, in-line with tunnel downtime
- Project completed in line with customer timeline, with possible extension of maintenance works in mid-2020



→ Ampcontrol's agile service crew provide timely maintenance services onsite