

CMBC: PCO Trial

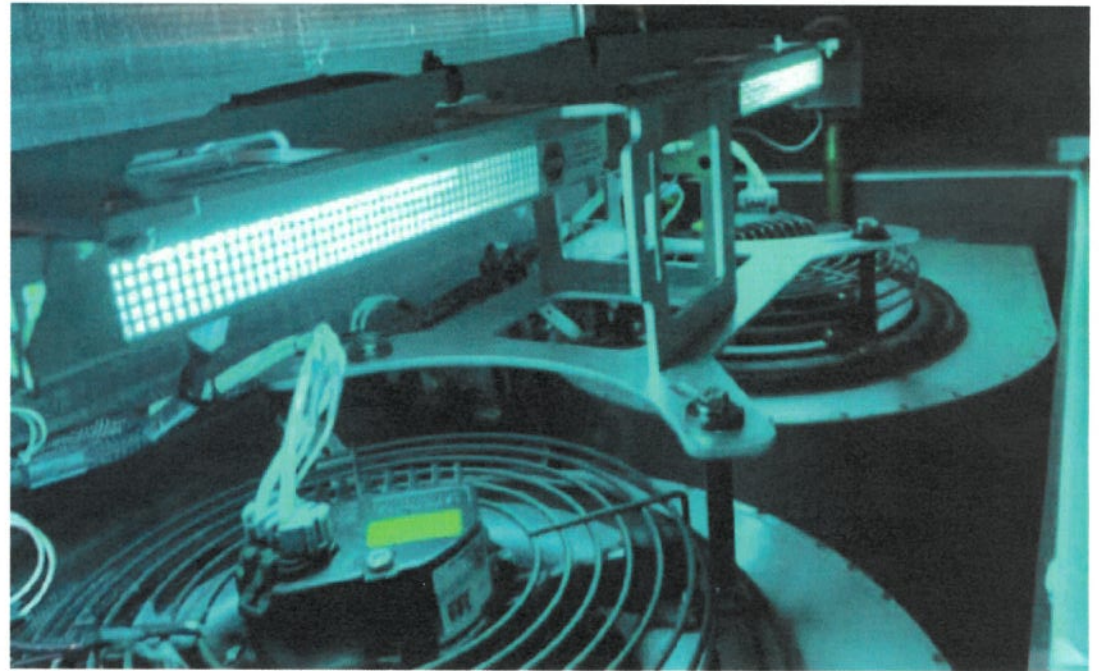
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PCO Trial: About PCO

What is PCO?

- Photocatalytic Oxidation
- Uses UV light on a catalyst to produce low levels of hydrogen peroxide (H₂O₂)
- Continuous sanitation of interior air and surfaces
- Product being trialed is PHI Cell from USSC



Together all the way

TRANS
LINK

PCO Trial: Transit Peers

SEPTA Trial:

- Safe H2O2 level testing
 - Levels found to be 2% of safe limits
- Bacteria culture sampling

NYCT Trial:

- 3rd party validation testing against COVID-19 in chamber simulating transit vehicle
 - Initial findings showed substantial impact on the virus
 - Currently finalizing results



Together all the way



PCO Trial: CMBC Objectives

Determine viability of technology and the impact it has at CMBC:

- Worker and public safety
- Customer experience and confidence in safe transit
- Cleaning and disinfecting program



PCO Trial: Trial Overview

Test Buses:

- 2 Double decker buses
- 1 60ft Xcelsior

Trial testing:

- Safe H2O2 level testing in collaboration with occupational hygienist
 - Testing to be completed prior to systems in service
- ATP testing to look at sanitation impact
 - Compare ATP levels between test bus and control
 - Compare surface bio-load over 1 month



Together all the way

