Greentech
Transforming Air Purification

case study

education

model: 750 Wall Mount

Results : >95.0% reduction of TVOC

- Unit: 750 Wall Mount
- Technologies: PCO/O3
- Test time: 5 days total – real time measure
- Test space: 3500^3ft cleaning products storage room
- Test administrator: IAQS

"It was observed and recorded throughout the project that the introduction of ozone as part of the AOP process produced the best overall reduction of contaminants and sustained air quality. There was a significant reduction of TVOC and HCHO from the initial readings which would not have been expected to occur without the introduction of this combined technology."

– Keith Roe, IAQS

Ozone levels throughout the duration of the test remained below TLV guidance and below levels measured outdoors.

model: pureAir 50

Results : >99.9% reduction of TVOC

- Product : pureAir 50
- Technologies: O3
- Test time: 5 days total real time measure
- Test space: Offic
- Test administrator: IAQ

"It was observed and recorded throughout the project that the introduction of ozone as part of the AOP process produced the best overall reduction of contaminants and sustained air quality. There was a significant reduction of TVOC and HCHO from the initial readings which would not have been expected to occur without the introduction of this combined technology."

– Keith Roe, IAQ

Ozone levels throughout the duration of the test remained below TLV guidance and below levels measured outdoors.

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model: PTAC

Results : >90% reduction of TVOC & 99.9% Mold Spores on Fan Coil

- Product : PTAC
- Technologies: PCO
- Test time: 5 days total – real time measure
- Test space: 220^2ft. dorm rooms
- Test administrator: IAQS

"The use of the PTAC unit completely removed the viable mold spores found on the fan housing and coil surfaces of the PTAC units. These results were the same whether the PTAC unit was operated continuously or as to temperature demand. The total mold spore counts in each room were also significantly reduced from previous levels and as compared to control levels. PM2.5/PM10.0, RPC, and TVOC were also reduced to untypically lower levels."

It would be my considered opinion that PTAC would serve as an effective deterrent to mold growth on and in a PTAC unit. It would also be expected to produce a sustained and improved overall indoor air quality within the serviced areas." – Keith Roe, IAQS

NAME	TYPE	REDUCED	LOCATION
Mold Spores	Airborne	70.00%	Dorm Room
Mold Spores	Surface (fan/coil)	>99.99%	Dorm Room
TVOC	Airborne	>90.00%	Dorm Room
HCHO (formaldehyde)	Airborne	>90.00%	Dorm Room
PM 2.5/10 and RPC	Airborne	>50.00%	Dorm Room