

Odors Eliminated at Cannabis Facility

Aerisa systems clean indoor and exhaust pollutants

The Situation



Odors present at cannabis facilities in Portland, OR must be controlled and eliminated prior to exhaust per City of Portland codes. The odors emitted by cannabis plants are primarily in the form of Volatile Organic Compounds (VOCs). Fragrant Terpenes are what give the cannabis plant (and many others) their distinctive smells thus, the need to remove these odors prior to exhausting air from the facility.

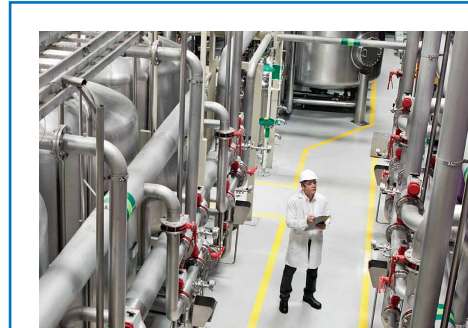
Applications like this one (removing odors from exhaust air) typically use some form of carbon or chemistry at the exhaust fans prior to the air leaving the building. However, due to high humidity and the need for longer dwell times, those technologies are not sufficient. Because of this, a local cannabis farm turned to ACI Mechanical & HVAC Sales, Aerisa's Portland representative.

The Solution

Mr. Jarred Osborne of ACI Mechanical was able to provide Aerisa systems within the Variable Refrigerant Flow (VRF) units used to cool the facility. The Aerisa Model 2000 produces a highly ionized air stream and the VRF equipment's duct work is used to distribute those ions. By treating the supply side air (rather than the exhaust air), the odors are removed as they are being produced. An additional benefit to treating the supply air is that any other odors present will also be treated. Industrial epoxy odors emanating from the concrete flooring at this local farm were present and believed to have been affecting the plants. These odors were removed with the same highly ionized supply air.



A local cannabis grower recently said **"We added ionization to our garden after an industry friend suggested it. The installation was simple, cost was similar to carbon bag filters with inline fans, and our energy use per unit went down from about 400W to 16W."** He further stated **"We couldn't believe how well the ionizers removed odors! We also noticed that it helped reduce mildew outbreaks, and mold growing on the coils of our air conditioning units."**



MODEL 2000 Ion Generator

Highlights

- Ionization system installed within VRF equipment
- Exhaust air within city approved limits
- Additional indoor odors removed
- System linked to improved crop health and increased yields

Aerisa Solution

- Eliminates odors within hours of installation
- Treats odors at their source
- Creates healthier work environment
- Very low energy consumption
- Eliminates need for other air cleaning devices

About Aerisa: Aerisa manufactures bipolar ionization technology that results in dramatic air quality improvements in a wide array of markets including industrial, institutional, commercial and residential. Aerisa successes are found in the most demanding applications, such as wastewater treatment, food processing, casino, athletic, and transportation. Contact Aerisa at 1-877-4-AERISA (237472) or visit www.aerisa.com.



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