



AIR MANAGEMENT TECHNOLOGIES, INC.  
Building Energy & Environmental Services



## EPI-Vision System

The new EPI-Vision System takes facility air management to the next level! Incorporating real time indoor and optional outdoor parameters, Food Safety and Indoor Air Quality are prioritized to **create an intelligent system**. This provides significant energy savings and reduces potential for airborne contamination by allowing for dynamic control adjustment based on actual conditions such as dewpoint, mold count, and wind speed instead of a set program assuming conditions.



## Protecting your Investments

Like any other process equipment, even the best industrial ventilation systems will fail due to improper maintenance and controls operation. The need for system performance verification is why monitoring Environmental Performance Indicators (EPI's) is essential in food processing facilities. EPI-Vision System is able to provide push notification when the established EPI's are outside acceptable parameters. When connected to a facility management system, dynamic control can execute commands in effort to correct the alarm condition.

## What is Dynamic Control?

Space pressure differential is essential to prevent infiltration of airborne particulates through unfiltered openings such as loading docks, entry doors, and other common leakage points in the facility envelope. It is standard to have a fixed static pressure setpoint to manage this condition which ranges from 0.5 to 0.11, which is based on wind speeds of 10 to 15mph. Since these parameters are based on a fixed setting for the "worst case", Air Management Technologies developed dynamic control for food processing facilities which adjusts the pressure setpoint based directly on wind speed with predetermined low and high limits. This translates into decreased "blasts of air" when entering a facility, prevents door opening/closing issues, and provides upwards of \$30,000 annual fan and thermal energy savings in a typical bakery.

## Your Facility — Your Choice

- EPI-Vision - Temperature, RH, Space Pressure
- Vision Pro - Add Indoor Particulate Sampling
- Vision Elite - Add Outdoors and Dynamic Control



## EPI-Vision Elite Package:

Space pressure with wind speed compensation  
Space to outdoors mold level %  
Facility air filtration effectiveness

Space dewpoint monitoring to prevent condensation  
Carbon Monoxide detection  
Particulate matter PM2.5 and PM10

Occupant Heat Stress Monitoring and Measurement  
Space temperature and humidity  
Outdoor temperature and humidity

