



Building Performance Equipment, Inc.™

Scientists and Engineers



LOCATION

AVICS Printing

An international printing company with facility and office space in Garden State

According to Reed Andariese, AVICS' owner, "This BPE unit brings in fresh air and greatly improves the indoor air quality of our facility by removing the chemical smells caused by the inks and chemicals used in the printing process."

CHALLENGE

5000+ Square foot office suite with central heating and air-conditioning had typical IAQ (Indoor Air Quality) issues for a printing facility. Inks and dies had odors and shipping introduced truck exhaust issues into the building. In extreme cases this could result in sending people home or reduced productivity.

SOLUTION

Lack of Fresh make-up air was solved by installing a direct vent BPE-XE-200 unit and two 19 watt fans (total power consumption 38 watts), which provides fresh air and non-detectable CO levels and greatly reduced CO₂ levels. Installing the BPE energy recovery unit saved \$18,342, when compared to the cost of replacing the HVAC system. Total cost was under \$4,000 for equipment and installation, while providing over 85% energy recovery with a payback of less than 3 years or an IRR of over 33%.



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