

Kyogamisaki Case Study



INTELLI-HOOD®

Overview

The following case study reveals the savings results for a Company Operations Complex in Kyogamisaki, Japan. The study shows the cost benefits of an Intelli-Hood installation.

The graph below, Figure A, shows the average fan speed for two exhaust fans over the course of six days. The dips in the chart represent times when the fans have slowed, and the spikes represent when the fans are operating at a faster speed. The fan speed varies slightly which means the fans are running more efficiently. The average fan speed for these exhausts was **61%**.

KEY SAVINGS



Total Energy Savings
\$20,525/Year



Carbon Dioxide
57,936 lbs./Year



Simple Payback Period
1.3 Years



Operating Expense Reduction
53%

COMPANY OPERATIONS COMPLEX KYOGAMISAKI FAN SPEED PROFILE

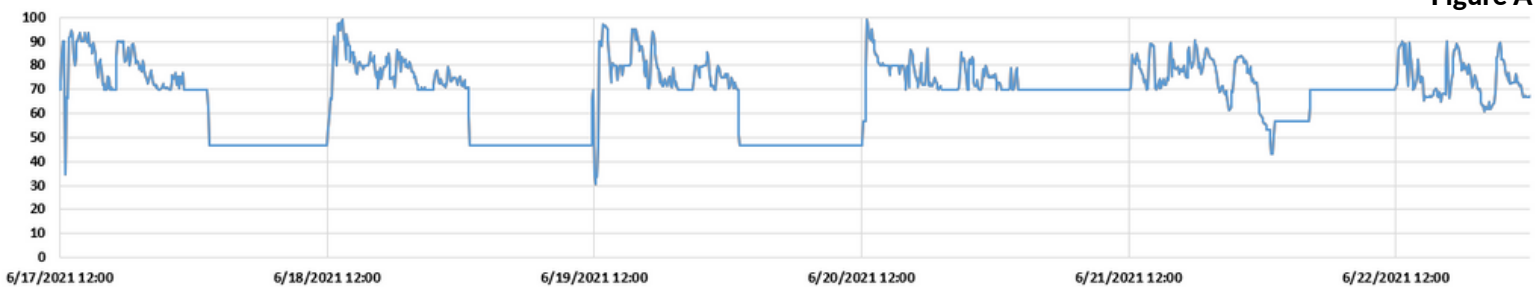


Figure A

Benefits

In the chart to the right, **Figure B**, the facility's annual energy costs are compared to their net energy costs. After installing Intelli-Hood, this complex operates at \$17,840 on average for their utility costs, with annual savings of \$20,525. Which is a 53% reduction compared to the utility costs before Intelli-Hood.

Annual Kitchen Hood Energy Cost

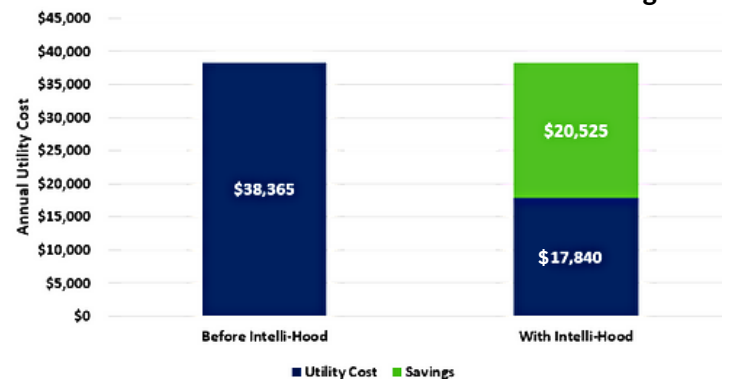


Figure B