



INTELLI-HOOD®

KEY SAVINGS

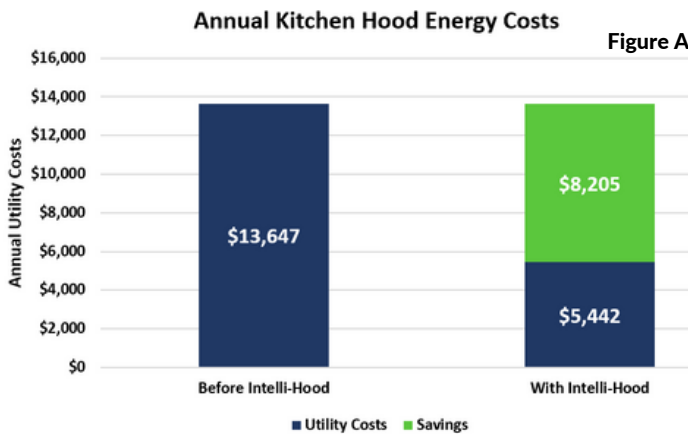
Overview

Curam Care Home is a healthcare facility located in Dublin, Ireland. With the continuous rise of energy costs, Curam Care planned proactively and decided to implement Intelli-Hood® in their commercial kitchen's new facility. Melink Intelli-Hood® is a dual sensing DCKV solution that maximizes a commercial kitchen's operation and performance. As cooking loads are reduced, so is your energy demand through self-learning metrics and measurements of temperature and effluent; steam and vapor by varying the speed of ventilation system in-between demand. This study shows the savings results Curam Care achieved with Intelli-Hood®.

Benefits

Curam Care Home would have spent an average of \$13,647 in utility costs per year without Intelli-Hood®. **Figure A** below depicts the customer's predicted annual energy costs as compared to their actual energy costs. After installing Intelli-Hood®, Curam Care realized a 60%+ reduction in energy costs their first year. This facility is saw an annual reduction of \$8,205 on their energy bill by utilizing Intelli-Hood in their commercial kitchen.

- Total Energy Savings**
 \$8,205/Year
- Carbon Dioxide**
 28,348lbs./Year
- Simple Payback Period**
 1.0 Year
- Operating Expense Reduction**
 60%



Average Fan Speed Operating:
65%

The chart below, **Figure B**, shows the average fan speed for the exhaust fans over the course of a week. The dips in the chart represent times when the fans are not running, and the spikes represent when the fans are operating. The spikes in fan speed change slightly which means the fans are running more efficiently. The average fan speed for these exhausts was 65%.

