

MCDONALD'S MULTI-SITE CASE STUDY



Intelli-Hood[®]

KEY SAVINGS

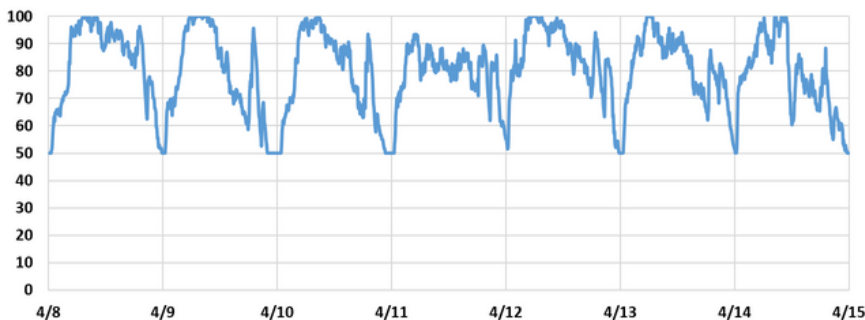
Overview

This multi-case study shows the performance results for 40+ McDonald's locations. McDonald's is a fast-food restaurant chain and the number one restaurant chain in the world. The study shows how an Intelli-Hood installation was able to reduce the facility's annual utility costs and carbon dioxide emissions. With the rise of utility rates across multiple locations, Intelli-Hood was the proactive strategy for McDonald's to offset increased energy costs with efficiency upgrades.

Benefits

In the chart below, **Figure A**, the average fan speed for the exhaust fans is shown over the course of two weeks. The dips in the chart represent times when the fans have slowed down due to reduced cooking intensity. While the spikes represent when the fans are operating at a greater cooking intensity and higher heat loads. The varying fan speed means the fans are running more efficiently rather than consistently at full speed. The average fan speed for these exhausts was 68%.

McDonald's Sample Site - Fan Speed Figure A



Total Energy Savings

£123,334/Year



Carbon Dioxide

45,736 kg/Year



Simple Payback Period

1.0 Years



Operating Expense Reduction

55%

Annual Kitchen Canopy Utility Costs (GBP) Figure B

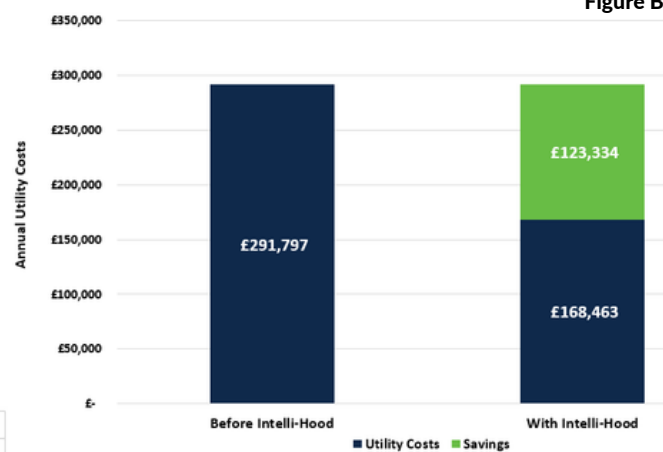


Figure B, on the left, depicts the customer's annual energy costs as compared to their net energy costs. After installing Intelli-Hood, these locations operated at £168,463 on average for their utility costs. That's a £123,334 annual savings across these locations, as compared to their previous operating utility costs.

Disclaimer: This installation was conducted by a local distributing partner of Intelli-Hood. For any questions or more info regarding this installation, please contact the Melink Corporation.



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