

INTELLI-HOOD®

KEY SAVINGS

Overview

Saadiyat Beach Golf Club in Abu Dhabi is a prominent golfing destination known for its commitment to excellence in every aspect. As part of their dedication to sustainability and operational efficiency, the club recently integrated Intelli-Hood, a demand control kitchen ventilation with dual sensing technology, into their kitchen exhaust system. This case study examines the impact of Intelli-Hood on the club's utility costs, operating expenses, and environmental footprint.

Benefits

Prior to Intelli-Hood installation, Saadiyat Beach Golf Club was spending \$6,495 annually on utility costs (**Figure A**). However, with the implementation of Intelli-Hood, these costs were substantially reduced to \$3,968, resulting in significant savings of \$2,527. This cost reduction is a testament to the immediate impact of Intelli-Hood in efficiently managing energy consumption, ultimately reducing utility expenses.

The chart below, **Figure B**, displays the average fan speed utilization of 74%, indicating the system's ability to fine-tune exhaust fan operations to meet the precise needs of the kitchen.

The integration of Intelli-Hood into Saadiyat Beach Golf Club in Abu Dhabi has proven to be a strategic and impactful decision. The technology not only resulted in substantial utility cost savings but also significantly reduced overall operating expenses by 39% while reducing carbon emissions.



Total Energy Savings

\$2,527/Year



Carbon Dioxide

46,407 lbs/Year



Simple Payback Period

2.5 Years

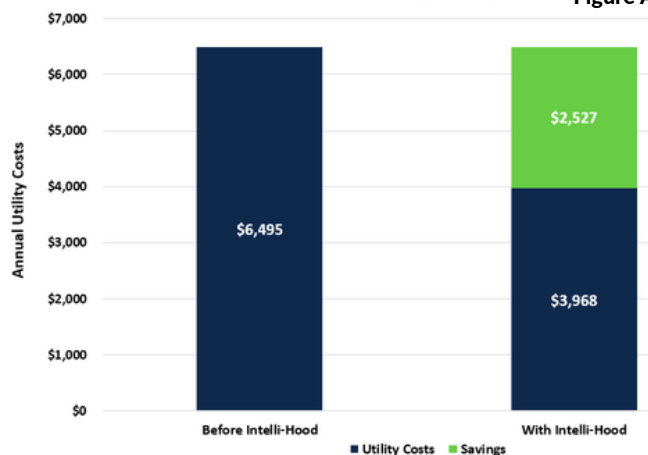


Operating Expense Savings

39%

Annual Kitchen Hood Energy Costs (USD)

Figure A



Saadiyat Beach Golf Club - Abu Dhabi UAE

Figure B

