



JEJU DREAM TOWER

# INTELLI-HOOD®

## KEY SAVINGS

### Overview

Jeju Dream Tower is a luxury hotel centrally located in the heart of Jeju City, South Korea. The Jeju Dream Towers are the tallest landmarks on Jeju Island. As a renowned destination spot, they received thousands of customers a year. That is why representatives at Jeju Dream Tower wanted to integrate Intelli-Hood into their commercial kitchen. With help from Intelli-Hood, the customer wanted to decrease their utility cost and maximize their energy savings.

The chart below, **Figure A**, shows the average fan speed for the exhaust fans over the course of several weeks. 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 **61.4%**.



**Total Energy Savings**  
\$51,759/Year



**Carbon Dioxide**  
603,654 lbs./Year

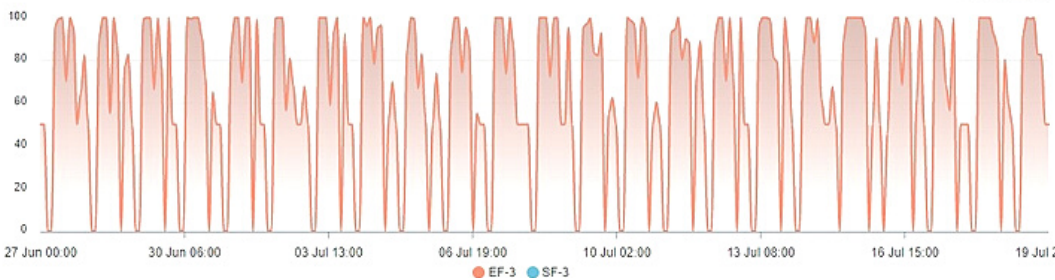


**Simple Payback Period**  
1.8 Years



**Operating Expense Reduction**  
49%

Figure A



**Average Speed Operating: 61.4%**

**Average Fan Energy Savings: 55.3%**

### Benefits

Before their Intelli-Hood installation, the Jeju Dream Tower was spending an average of \$106,048 in utility costs per year. **Figure B** depicts the customer's previous annual energy costs as compared to their new energy costs. After installing Intelli-Hood, the Dream Tower cut their utility costs practically in half. They experienced a \$51,759 savings by utilizing Intelli-Hood in their commercial kitchen.

Annual Kitchen Energy Costs

Figure B

