



After installing the EndoCube, the Hilton Hotel, Newmark, California saw the refrigeration system energy consumption reduce by 15%. Not only did the EndoCube save electricity and reduce the carbon footprint, it also enabled a more consistent food temperature leading to greater quality and less spoilage.

Hilton Worldwide had committed to a 20% reduction of energy consumption from direct operations between 2009 and 2014. To meet these targets, Hilton was very interested in proven technologies that would help it reach its goal.



### ENDOCUBE

“Low energy commercial refrigeration is something which is recognised as being an important aspect of reducing the CO<sup>2</sup> output around the world.”

#### **This is where the EndoCube comes in.**

Rather than replacing your expensive and 'in-use' commercial refrigeration units, you can simply make them work more efficiently. Invented by a team of British engineers using lateral thinking, the EndoCube has been a global phenomenon and patented worldwide.

The hotel realised that a lot of energy is used on refrigeration and sought to save 15-25% of that energy. The EndoCube guarantees a minimum 10% reduction of energy after installation resulting in cost savings, reduced refrigeration maintenance and a reduced carbon footprint.

At the Hilton Hotel, Newmark, California, the EndoCube was fitted on a walk in cooler that was always in use in the kitchen. To monitor the gains in efficiency, the performance of the system was measured prior to and after installing the EndoCube. The information recorded shows not only a reduction of 15% in energy consumption but also that the number of times the compressor started was much fewer than before. This reduces wear on the compressor and the electrical system. **The compressor starts are the point at which the consumption of energy is at its highest.** In this case, **the compressor starts decreased from an average of 31.7 per day to just 18 per day, a marked reduction of 43%.**

Today, the EndoCube is on the approved list of products that have been tried and tested by Hilton and recommended for fitting in their hotels across the world.

**Contact Energy Saving Help for the full report and analysis.**