

Case Study

Cheetah Energy Control

Cheetah 

Energy Control



Hilton The Hague







About Hilton

Hilton Hotels & Resorts (Hilton) is part of the Hilton Worldwide group. Hotels such as the Waldorf Astoria and the Conrad also belong to the group. With over 550 hotels spread across 82 different countries, Hilton is one of the most famous hotel and resort chains in the world.

Being one of the leading players within the hospitality industry, Hilton takes a great deal of responsibility for taking care of our environment. Under the heading Travel with Purpose, Hilton Worldwide creates value for its stakeholders in four areas: creating opportunities for individuals to reach their full potential; strengthening communities where Hilton Worldwide operates; celebrating cultures and the power of travel; and living sustainably through the measurement, analysis and improvement of the company's use of natural resources.

Achieved results

-  **74%** ELECTRICITY
-  **41%** HEATING
-  **39,537 kg** CO₂
-  **1.18 years** PAYBACK TIME

“The Cheetah system is everything Sprinx promised us it would be when it comes to savings. All I can say is that we are extremely pleased with the results. The investment in the system was more than worth it. The system has also improved the kitchen staff’s working environment.”

Rick de Jong
Technical Service Manager Hilton The Hague

Our challenge

Switching to Cheetah proved to be a smart move for Hilton The Hague. This luxurious 5-star hotel, located in The Hague’s historic city centre, has a large kitchen with a single and a double hood. Overcapacity meant that savings could be achieved in the consumption of electricity and heating - 65% and 37% respectively. In addition, the payback time for this intelligent system was only 1.1 years.

Sprinx installed Cheetah in the hotel’s kitchen in December 2014. After installation the energy consumption dropped to a much lower level almost immediately.

Less kitchen activity means less consumption

Before Cheetah was installed, both fans ran 20.5 hours per day - which is equivalent to 86 kWh. However, it turned out that full capacity was only required during a much shorter period of the day, which is why consumption was reduced to 22.5 kWh per day once the Cheetah had been installed. That’s equivalent to a 74% saving. At the same time, the consumption of heated air dropped by over 40%. Total savings amounted to 47% during the measurement period, which means that Sprinx has easily exceeded its guaranteed saving.

Please note: the electricity savings refer to the entire year, the heating savings only refer to the heating season.

RPM of the supply and extract fans with and without Cheetah (in %)

