



Service & Product Provider Partner

Servidyne Systems, LLC

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Business: Energy consultant

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Customer

The Ritz-Carlton, Boston

15 Arlington Street, Boston, MA 02116

Business: Luxury hotelier

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The Ritz-Carlton, Boston saves almost \$100,000 in energy costs in less than one year with no capital investment.

Project Scope

Servidyne provided recommendations for operations, maintenance and recommissioning measures on HVAC and lighting systems.

Project Summary

The Ritz-Carlton established an internal energy team including engineering, housekeeping, food and beverage, and security department representatives to address energy efficiency in day-to-day procedures. The hotel tested and repaired steam traps, scheduled operation of HVAC systems and lighting that serve meeting rooms and other spaces with intermittent occupancy, optimized control of the existing free cooling system, and scheduled operation of kitchen ventilation systems. As part of its commitment, Servidyne provided energy benchmarking; a comprehensive energy audit identifying and quantifying retro-commissioning opportunities as well as capital projects; and on-going consulting and energy performance tracking with web-based reporting. Servidyne monitored and verified energy savings using EnergyCheck[®] and CheckMate[®], its on-going energy analysis and tracking tools.

- **Energy Savings**

In less than a year, the Ritz-Carlton experienced \$92,800 in savings from energy usage reduction.

- **Investment**

No capital investment was required.

- **Financial Return**

The Ritz-Carlton, Boston experienced an immediate payback.

Monitoring & Verifying Energy Savings

Servidyne provided ongoing energy analysis and tracking using its EnergyCheck[®] and CheckMate[®] reporting tools. Reports tracked the hotel's electricity, natural gas, steam and water consumption and cost, as well as occupancy, food covers, and heating and cooling degree days.

Distinguishing Value

The data from Servidyne's EnergyCheck[®] and CheckMate[®] reporting tools allowed Servidyne and the Ritz's energy team to make adjustments in their daily activities to maximize energy savings and achieve a 12.5 kBtu/ft²-yr usage reduction versus the prior year.

