

Dealogic Appreciated the Logic of our Approach and the Results of our Assessment

In addition to fulfilling the client's regulatory requirement, we provided a comprehensive energy efficiency plan and a financial investment analysis.



Asset Facts

Date Built	2010
Square Meters	2,719
Asset Type	Office
Location	London
Capacity	270 employees

Project Facts (estimated)

Annual Energy Savings	150,000 kWh
Annual Savings	£ 21,746
Gross Investment	£ 42,070
Net Investment	£ 42,070
Net Payback	2 years

ROI **52%**

Challenge

UK implementation Energy Savings Opportunity Scheme (ESOS) of an EU directive Energy Efficiency Directive (EED) requires quadrennial assessments in search of energy cost reduction opportunities. In a building that was relatively new, built with energy efficiency in mind, and was well-managed, our challenge was to find energy conservation measures that also made financial sense.

Our Solution

Green Gen completed a comprehensive assessment which included a detailed review of the following:

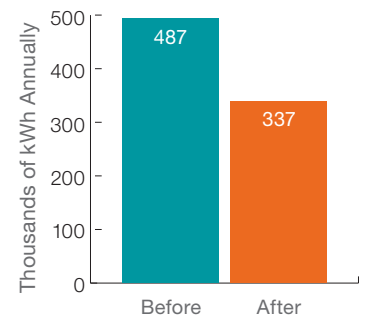
- Reviewed electricity, water, and gas consumption data.
- Onsite examination of major building systems, including HVAC, lighting, controls, and building envelope.
- Examined current O&M and sequence of operations, and areas with the potential to reduce energy-related operating costs.
- Prioritized capital projects with the greatest effect on energy consumption.
- Analyzed property valuation impact of our recommendations.
- Submitted an ESOS-compliant audit report to UK Energy Agency.

Energy Savings

We found that total energy cost could be reduced by

- 3% from no-cost operational changes
- 8% from LED retrofit and Building Management System enhancements
- 15% from low-cost operational changes and an employee energy awareness campaign

Annual Electricity Consumption (estimated)



How can we help you? Please contact Green Generation Solutions at info@greengenerationsolutions.com or 301.202.2930