

CASE STUDY

SUMMARY

Customer:
Europcar

Industry:
Vehicle hire

Services Provided:
Audit of energy saving opportunities to comply with the requirements of The Energy Savings Opportunity Scheme, ESOS

Potential Savings Identified:
£271k pa

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The Energy Specialists

Europcar



Europcar appointed JRP Solutions to carry out an ESOS Audit on their estate which comprises their main office building, Europcar House, with an annual energy consumption of nearly 3M kWh, a further office building in Leicester and over 160 rental car depots around the country which also fall within the scope of ESOS. The depot at Heathrow, which includes running of shuttle buses, accounts for 14% of the total company energy usage with over 1.5M kWh, and the rest have an average of just over 40,000 kWh pa. In addition to the Heathrow depot, a representative sample of 4 of the rental depots were surveyed and results extrapolated for the entire estate.



Europcar House was audited as a representative example of office premises. An analysis of the building's energy consumption showed that it had been running at close to 4 times the levels expected for the building type as indicated in the Government's Energy Efficiency Best Practice Programme Guide 19. The audit revealed that despite the use of a sophisticated Building Energy Management System, good levels of insulation and automatic lighting controls at head office, significant energy saving was possible through improved management of the building control system.

JRP produced a Site Energy Certificate for the building which shows that if all of the opportunities are implemented, gas consumption would reduce from 4 x the Typical Benchmark to 1.6 x the Benchmark, and the electricity consumption would reduce from 1.5 x the Typical Benchmark to 1.16 x the Benchmark – significant reductions which would equate to savings of approximately £61,000 pa. The capital investment required to implement these saving would be £13,500, a payback of less than 2 ½ months.

For the other rental depots, the audit identifies further potential savings of £210,000 pa through the reduction of heat setting in booking halls, changing over to LED lighting, reduced compressed air losses, and improved monitoring and targeting. The capital investment required to implement these improvements is estimated to be £375 per depot, with a payback of one year.

"This is exactly what ESOS was designed to do", says JRP ESOS Auditor, Kevin Stephens, "It's a chance to look under the bonnet of an organisation and find ways that they can reduce their energy consumption and their bills. Everyone wins."

