GLOBAL DATA CENTRE REAL ESTATE PROVIDER CASE STUDY

ENERGY OPTIMISATION STUDY

Our Customer provides colocation and interconnection strategies to customers across the world, ranging from cloud and information technology services, communications and social networking, to financial services, manufacturing, energy, healthcare and consumer products.

Keysource were appointed to undertake an Energy Optimisation Study (EOS) to understand the opportunities for optimising a Data Hall for a key client, with the objective of reducing total power consumption and operational expenditure.

The study included an understanding of the facility utilisation and required operation, along with an assessment of the power and cooling infrastructure.

Opportunities to optimise, which suit the lifecycle of the facility and the IT within it, were identified along with savings and return periods.

The EOS survey was undertaken in two phases. Phase One included Keysource undertaking an assessment and identifying/quantifying opportunities for customer consideration. This included a number of opportunities across the infrastructure which equated to 20% - 30% operating efficiency savings.

For Phase Two Keysource produced planning documentation, for customer and operator approval, and implemented changes including validation reporting. Importantly this phase demonstrated that the changes would be made without risk to the availability or resilience levels.

Following the implementation phase additional performance measures were taken which confirmed the energy optimisation achieved a reduction of circa 100 kW of power equivalent to 876,000.00 kWh/year in energy and savings £10,800 per month

The project included:

- Identification of operating efficiency savings of 20 -30 %

- Increased energy optimisation

- Cost savings of around £120,000 per annum

- Zero risk to facility availability and resilience

QUOTE

"At Keysource we are committed to supporting our clients' sustainable goals, whatever their drivers. All eyes are on the corporate green agenda and it is imperative that businesses take the opportunity to reduce their carbon footprint, among other planet saving efforts. The Keysource EOS will give companies the information they need to confidently make informed decisions and will identify real cost benefits, whislt maintaining their business critical infrastructure."

Jon Healy, Chief Operating Officer, Keysource