Energy optimisation study

Reducing energy use and cost for a global data centre provider

Salute delivered an Energy Optimisation Study (EOS) for a leading global colocation and interconnection provider, identifying efficiency opportunities and achieving significant cost savings with zero impact on resilience.

Project data

- **Efficiency improvement:** 20–30%
- **Deployment type:** Energy Optimisation Study (EOS)
- **Annual savings:** £120,000

Our customer's business priority

- Reduce power consumption and operational expenditure.
- Maintain full availability and resilience during optimisation.
- Align improvements with facility lifecycle and IT utilisation.

Problems our customer faced

- High operational energy costs and inefficiencies across infrastructure.
- Need to validate optimisation options without risking uptime.
- Complex global facility with diverse client requirements.

Solutions provided by Salute

- Conducted phased EOS to assess utilisation, power, and cooling performance.
- Identified and implemented 20–30% efficiency improvements.
- Delivered planning documentation, implementation, and post-change validation.

Business Impact

- **Energy savings of ~100 kW / 876,000 kWh annually**
  equating to £120,000 per year in reduced costs
- **Zero impact on resilience or uptime**
  ensuring uninterrupted availability for all clients