



Case Study

Powering Efficiency in Prestigious London Properties with 4D Monitoring

Challenge

Client: London-based property management company

Challenge: Rising energy costs across three prestigious properties in the West End of London.

Situation: The property management company was struggling with rising energy costs. Without granular data on energy consumption, pinpointing areas for improvement and optimizing building performance was challenging.

Solution

The company implemented 4D Monitoring's IoT solution across three properties. 4D's wireless sensors provided real-time and historical data on HVAC performance, environmental conditions, and energy consumption across various building systems.

Results

- Data-Driven Insights: 4D's platform provided clear visualisations of energy usage patterns, identifying opportunities for optimisation.
- Targeted Actions: Detailed data pinpointed specific areas for improvement, such as inefficient equipment operation, unnecessary heating/cooling during unoccupied hours, and potential maintenance issues.
- Contractor Engagement: Armed with 4D data, facility managers collaborated with contractors to address identified inefficiencies. This included equipment tune-ups, scheduling adjustments, and occupant behaviour awareness campaigns.

Energy/Cost Savings

Since implementing 4D Monitoring in December 2023, the properties have achieved significant reductions in energy consumption (65,000KWh), translating to substantial cost savings (£30k) on utility bills in Q1 of 2024.

Sustainability

Lower energy use contributes to a smaller carbon footprint and a more sustainable building operation.

Reduction in Gas and Electricity Consumption:

Property 1 - 59%
(20,421kwh)

Property 2 - 47%
(24,300kwh)

Property 3 - 24%
(20,377kwh)

Conclusion

4D Monitoring's data-driven approach empowers proactive energy management. Precise data allows for targeted actions and collaboration with contractors for maximum efficiency.

The case study demonstrates the significant financial and environmental benefits achievable through 4D technology.

Looking Forward: The company plans to leverage 4D's ongoing monitoring and analytics to maintain optimal building performance and explore further energy-saving opportunities across its entire property portfolio.