



SMARTER BUILDINGS. SMARTER WORKPLACES

CBRE | ESI | Building Optimisation Service

CBRE has unique capabilities to provide our clients the advantage of a smarter tomorrow.



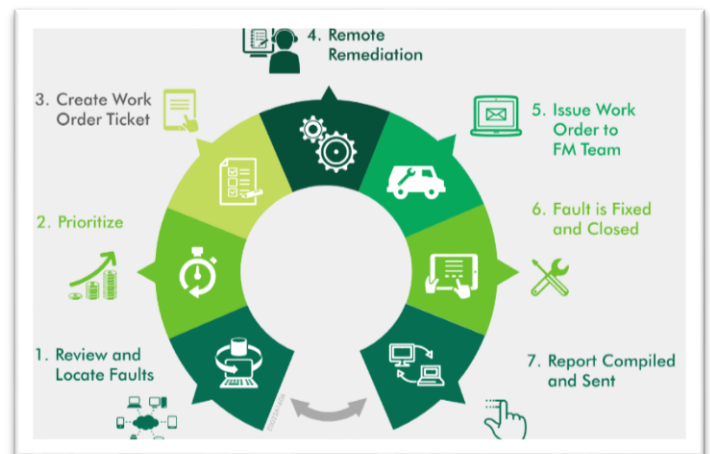
Today's smartest buildings blend intelligent design, advanced technology, proactive operations planning, and strategic maintenance protocols to achieve best-in-class performance. We make buildings run better. No two buildings are alike, because variables such as age, location, equipment, systems, maintenance, and occupancy impact building performance.

As part of CBRE's Global Energy & Sustainability platform, CBRE|ESI provides technology agnostic expertise and advanced data analytics which ensure building performance meets our clients' needs throughout the building's life cycle.

One of our greatest innovations is our building analytics platform called CBRE|ESI. This is a platform that analyses information from Building Energy Management Systems (BEMS), energy meters and equipment sensors, provides diagnostics to a level of detail previously not available, interprets data and provides recommendations based on costs. If clients have buildings with high energy usage, also, it enable clients to **reduce costs**, minimise energy usage and maximise return on investment. CBRE |ESI has the potential to provide significant **savings** within the first year, and year-on-year savings.

Improving efficiency in building operations to:

- Reduce the cost of energy
- Reduce the cost of maintenance and repair
- Improve human resource utilization and efficiency
- Providing increased levels of operations efficiency through centralized monitoring and operations such as scheduling, set point changes, remote diagnostics, disaster response, etc.
- Providing better operating efficiency and reduce risk through centralized management of technology upgrades, software maintenance and system security;
- Providing building or portfolio analysis, modelling, correlating, etc., to provide information for capital purchasing decisions such as equipment replacements, sourcing, strategy development, etc.



CASE STUDY: NATIONAL RETAILER

- Improves workforce productivity by providing a better working environment
- Ensures optimal building performance throughout the **life cycle**.
- 37% service second visit reduction
- 38% reduction in call outs
- Over £1.17 million annual avoided energy costs identified, four-year average
- Over \$1.72 million annual maintenance cost reduction, four-year average

- Energy Star Scores are 83 vs. 61 for peer group; +10 over baseline
- Higher associate satisfaction scores

For more information please contact

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CBRE | Global Workplace Solutions

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