

Building Performance Evaluation

How to get the most from your building



What is building performance evaluation (sometimes referred to as Post-Occupancy Evaluation)

- Monitoring your building for performance factors such as energy, thermal comfort, air quality, light, and sound
- Helping you use your building to its full potential through post occupancy evaluation
- Understanding issues and resolving them quickly
- Accumulating insight for future projects

Why use building performance evaluation

- Saves you money through efficient operation
- Alignment with climate goals
- Identifies comfort and performance issues
- Reduces maintenance
- Improves occupant satisfaction
- Informs future development

Left: The Enterprise Centre at UEA, awarded DEC 'A' seven times

How

- Applying decades of cumulative research to help your building or estate perform optimally
- Understanding your building through monitoring:
 - Energy use
 - CO² levels
 - Air quality
 - Daylight and artificial light
 - Temperature
 - Building user surveys
 - Space management
 - Occupation use
 - Acoustics
 - Water consumption
 - Lifecycle analysis
 - Moisture and relative humidity

Outcomes

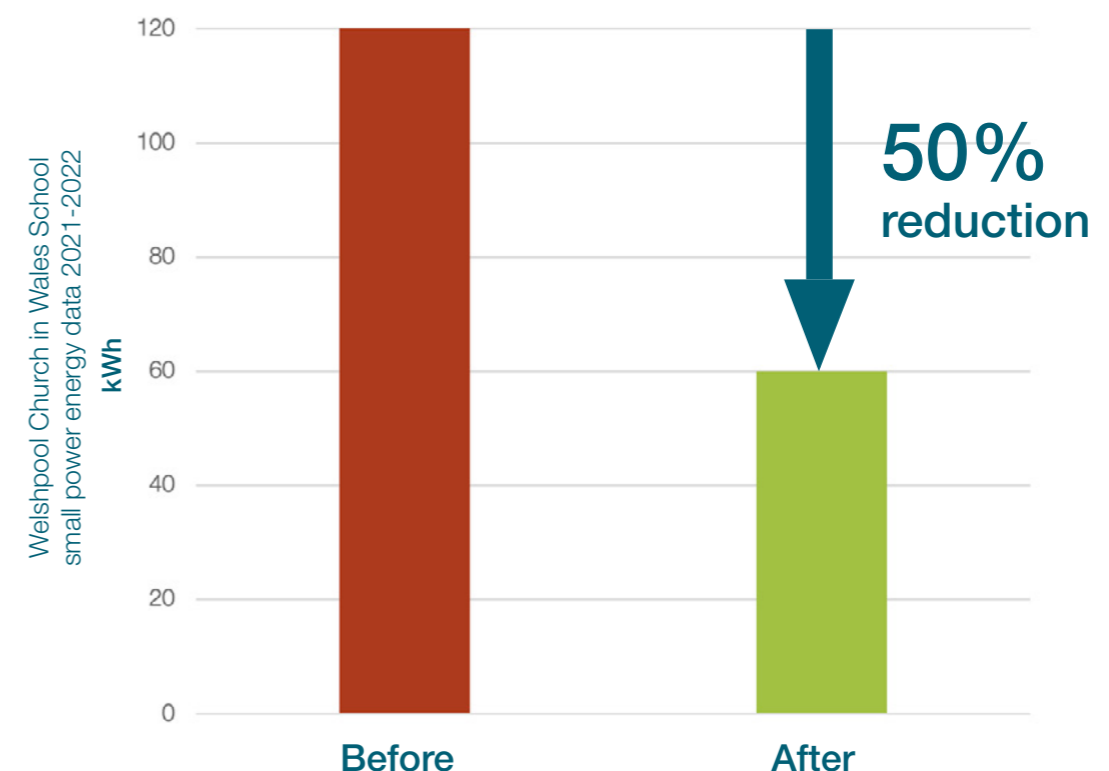
90% reduction in heating and hot water energy use at Wilkinson Primary School against the CIBSE TM46 Benchmark demonstrated through building performance evaluation

£60,000 annual savings in energy bills at Welshpool Church in Wales school, when compared to a typical school building. 50% small power energy use reduction from doing BPE

7"A" grade Display Energy Certificates (DEC) safe-guarded by six years of BPE work

* Based on energy consumption 2021/22 school year compared to typical Powys school. Electricity priced at 15p/kWh and Gas at 6p/kWh.

Before and after evaluation



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