

Understanding the Weather to Maximise Asset Value

Demand for low carbon buildings is rapidly growing as ever more ambitious targets are adopted at all levels of government and business. But despite good intentions, evidence shows that many renewable and low energy developments fail to deliver their expected benefits.

Without detailed site studies, owners, occupiers and investors are liable to be left disappointed by low energy yields and efficiency gains, and unexpectedly long payback periods. The key to avoiding this is gaining an accurate measure of weather conditions at specific sites - to calculate the available renewable energy resources, and fully understand building energy performance. Mirspot addresses this pressing market need.

Mirspot approach

- Captures and analyses any site specific weather data set
- Integrates real weather data with detailed topographical site mapping
- Provides an accurate assessment of site energy resources
- Provides an assessment of weather-related building energy performance
- Accurately identifies best Low and Zero Carbon (LZC) options for highest ROI

Current industry practice

- Does not recognise the link between the weather, energy availability and building energy performance
- Often relies largely on generic Met Office data
- Does not account for localised effects of weather on building energy performance
- As data is not site-specific ROI calculations are inaccurate

Services Components

- State of the art and integrated capture and modelling of local weather and building energy data
- Detailed analysis and recommendations based on site-specific opportunities and constraints, and clients' operational needs
- Customised reporting, supported by graphical and / or raw data, suitable for planning evidence, loan applications or sales / promotional materials

Benefits to Your Business

- Accurate assessment of site-specific renewable energy resources
- Weather-related building energy performance assessment
- Fully integrated Low and Zero Carbon (LZC) design strategies
- Clearer site / asset performance comparators for market place
- Better data brings more confident investment and sales strategy
- Better informed due diligence reduces business risk
- ROI and payback predictions strengthen

