

# Measurement and verification (M&V) Case Studies



## RE:FIT EPC Framework

Since 2009 RE:FIT has delivered guaranteed savings performance contracts to more than 700 buildings. With some 250 organisations engaged in the programme over £165m of works have been procured to date. Projects typically have a 5-10 year payback period and include a range of energy technologies.



Following the principles of The International Performance Measurement and Verification Protocol (IPMVP), Colin Grenville of Erebus Environment Ltd has worked for two framework contractors on more than 25 RE:FIT projects to date covering some 150 buildings. Services provided have included end-to-end M&V or specific aspects such as:

- ⇒ Development of the M&V plan through “High Level Assessment/Desk top audit” and “Investment Grade Proposal phases
- ⇒ Updating M&V plans following installation of energy conservation measures
- ⇒ Preparing and presenting annual review of performance or interim evaluations
- ⇒ Forensic re-evaluation of the M&V process to ensure fitness for purpose and timely and accurate reporting by the ESCo
- ⇒ Performance investigation and analytics
- ⇒ Non-routine adjustments to baseline
- ⇒ Liaison with clients, data collectors and AM&T platform managers to ensure all project metering and utility usage data is captured manually or automatically where feasible.
- ⇒ Organising installation of AMR equipment to improve data acquisition and analysis.

⇒ Commercial risk management through liaison with energy managers and client to ensure under-performance is rectified.

## The Carbon and Energy Fund



Launched in 2011 the CEF was created to fund, facilitate and project manage complex, high-value energy infrastructure upgrades across the NHS and wider public sector and has now completed some 40 projects with typical performance guarantee periods of 15 – 25 years.

Erebus Environment have delivered M&V support to the Energy Services Company on a major NHS project in order to implement the contractual requirements for M&V of >£3m of cost savings per year. Whilst measurement calculation was defined in the contract Erebus provided the skill and resource to deliver a functioning M&V capability to achieve client sign-off on key energy conservation measures and handover to the project operation and maintenance team.

## Erebus Environment Ltd – the independent M&V solution

Independent expertise can be hard to find. Using our own Certified M&V Professional (CMVP) Erebus provides temporary or ongoing M&V resource on a flexible basis to ensure project outcomes are met for both ESCos and their clients.

## For more details

on how our M&V service can help you contact us today on **07702 211529**.