



CASE STUDY

The Department of Work and Pensions

Smart energy efficiency for the DWP

The brief

In 2022, working in partnership with FM giant, Mitie, Whitecroft secured the opportunity to replace outdated and inefficient lighting for the Department of Work and Pensions (DWP).

The objective was to drive down energy usage and carbon emissions across 129 Job and Health Assessment Centres and office spaces, whilst contributing to an environment that promotes welfare and productivity for all.



129

UK SITES RETROFITTED

>55,000

INDIVIDUAL PRODUCTS
INSTALLED

Up to
80%



Key facts

Project Name	Department of Work and Pensions
Location	National
Client	Department of Work and Pensions
Facilities Managers	Mitie
Estimated project completion	March 2025

The solution

Replacing thousands of obsolete lights with LEDs would immediately cut the DWP's lighting energy usage by 50%, however, Whitecroft was confident it could drive a further 25 to 30% of efficiency by integrating intelligent sensor driven technology.

Organic Response, Whitecroft Lighting's smart lighting technology, uses sensors to intelligently maximise the value of natural light across buildings.

This is achieved by constantly monitoring and blending the natural and artificial light in different areas of the building to achieve a consistent optimal level.

Automating lighting levels also removes the need for manual light switches, while the sensors future-proof buildings, leaving them primed for the next level of smartness, control and efficiency – including cloud-based energy heat mapping.

In response to tight the installation deadlines, Whitecroft's solution also arrived at the DWP sites commissioned and ready to use, so all 129 locations were completed in the out-of-hours' time slots specified.

“Combining energy efficient LEDs with smart and automated lighting systems, Whitecroft reduced the DWP's lighting energy consumption by up to 80%.” Mark Brunt, Whitecroft Lighting

[Learn more about Organic Response](#)

[Explore Relight, our lighting retrofit service](#)