

# Lighting

## How sustainable lighting leads to a low carbon future

Plan Zero is our market leading approach to carbon reduction. It is being leveraged by organisations to achieve their net-zero carbon targets, helping them to Eliminate Carbon, Eradicate Waste and Enhance Inefficient Buildings. Through Plan Zero we will deliver your asset and infrastructure investment achieving Zero Carbon for Zero Cost.

To maximise capital budgets, projects that optimise operational effectiveness, while decarbonising the estate and generating whole-life cost savings should be prioritised.



**PLAN  
ZERO**  
A MITIE INITIATIVE

### How can LED lighting help reduce CO<sub>2</sub> emission and carbon?

- Energy-efficient lighting is a fast and cost-effective way to reduce emissions and combat climate change.
- LED lighting uses less power for a given application compared to traditional halogen and fluorescent light sources with a like for like lumen output. Therefore, the overall kW/hr consumption per year is less, this helps reduce the overall CO<sub>2</sub> emissions and help support your low carbon objectives and targets.

### Guaranteed energy and carbon saving

70%

lighting energy costs

30%

total energy bill

### How can we maximise your capital budget with Mitie?



**Modernising**  
your lighting with energy efficient LED and intelligent lighting controls



**Health and wellbeing**  
– enhanced lighting and air quality which increases wellbeing and performance to help people see, feel, and function better at work



**Compliance**  
– remote emergency lighting testing, scheduling and reporting



**Energy optimisation**  
– managing and reporting your energy usage



**Space optimisation**  
– to help manage your floor space



**Circular Economy**  
– reducing packaging and repurposing lighting

## PLAN ZERO: How sustainable lighting leads to a low carbon future



### Modernising

your lighting with energy efficient LED and intelligent lighting controls

- Mitie has extensive experience in refurbishing the lighting of blue-chip clients to introduce energy efficient and carbon saving lighting.
- Mitie works extensively with our customers to produce best in class lighting to meet the client's needs.
- Our lighting solutions saved our customers 34,304 tonnes of carbon last year.
- By also installing connected lighting systems, we are helping to transform our clients estate. We increase energy efficiency and manage working environments in a more environmentally friendly way.



### Health and Wellbeing

– improving air quality, enhanced lighting

- We understand the important impact light has on people and have developed lighting solutions to help people see, feel and function better, by improving the working environment will increase productivity and wellbeing making us feel and function better.
- This approach helps you get the best out of your biggest investment, your people. Different levels of light intensity and colour temperatures can support well-being, help to energise staff and enhance performance by aligning with the body's circadian rhythm.



### Compliance

– remote emergency lighting testing, scheduling and reporting

- Emergency lighting is an integral part of the legal requirements for the safety and security of people inside the buildings of companies and businesses.
- Self-testing emergency lights replaces the manual tests carried out monthly and annually.
- The advantages of this include automatic compliance to statutory regulations, reduction maintenance costs, Pandemic and Environmentally-Friendly – no visits required, whilst compliance obligations and safety remain paramount.



### Energy optimisation

– managing & reporting your energy usage

- Mitie has extensive experience designing and installing carbon saving solutions to replace electrical and control systems in poor condition or past end-of life.

Our BMS solutions connect client sites to our Service Operations Centre (SOC) ensuring asset performance and consumption are optimised at all times.

- Our lighting solutions saved our customers 34,304 tonnes of carbon last year.



### Space optimisation

– to help manage your floor space

- We will identify and deliver the optimal mechanical solution for the property. Our capability includes air conditioning, free cooling, chillers, DX-based air conditioning, VRV and split systems, R22 roll-out and new R32 technology.
- Our expertise will ensure the comfort & wellbeing of staff and colleagues along with maximised carbon performance.



### Circular Economy

– reducing packaging and repurposing lighting

- We work with suppliers to develop lighting solutions which repurpose the existing lighting and reuse it in a sustainable way which enhances the clients lighting. We also have solutions which reduce packaging and lorry delivery's which further reduces the carbon footprint of the project.