

# Transport for Greater Manchester

Supporting public sector decarbonisation and net zero targets.



Transport for Greater Manchester

Transport for Greater Manchester (TfGM) is the local government body responsible for delivering Greater Manchester's transport strategy and commitments.

The organisation is planning for a more sustainable future. Through Greater Manchester's Low Emission Strategy and Air Quality Action Plan it aims to make the region a cleaner, greener and healthier place to live, work and play in. The strategy supports the goals of Greater Manchester's Five-Year Environment Plan, which includes becoming carbon neutral by 2038.

## Public Sector Decarbonisation Scheme

Transport for Greater Manchester was one of 15 beneficiaries of a £78 million grant from the Public Sector Decarbonisation Scheme awarded to Greater Manchester to support energy efficiency upgrades to more than 150 public buildings across the city-region.

## Renewable design and project management

TfGM used the funding to engage Zenergi to consult, design, project manage and implement renewable energy and energy efficient technology across eight sites.

The project involved the installation of new Air Source Heat Pump (ASHP) systems for heating and domestic hot water across several sites, including its 9-storey head office.

A Building Energy Management System (BEMS) upgrade was installed, linking back to a frontend system at head office, to enable better control and energy monitoring purposes across all sites.

Solar PV was installed across all sites, totalling in the region of 530kW, with battery storage on the larger Trafford Depot, enabling TfGM to lower its electricity costs, and future-proof by reducing its reliance on the grid.

ASHP estimated to save over:

**300tCO<sub>2</sub>e**

LED lighting and lighting control upgrade estimated to save per annum:

**490,000kWh**

Solar PV estimated to save per annum:

**510,000kWh**

Carbon dioxide emissions estimated to reduce annually by:

**410tCO<sub>2</sub>e**

The project is estimated to save annually:

**£170,000**