

This presentation was live at:



Smart Buildings

SHOW

18-19 October 2023 • ExCel London

Estate Energy Optimisation Bedrock for Net Zero Journey

Smart Building Show
19th October 2023



mitie

PLAN ZERO





Martin Reed

Head of Energy Optimisation
Mitie Plan Zero



Ian Beynon

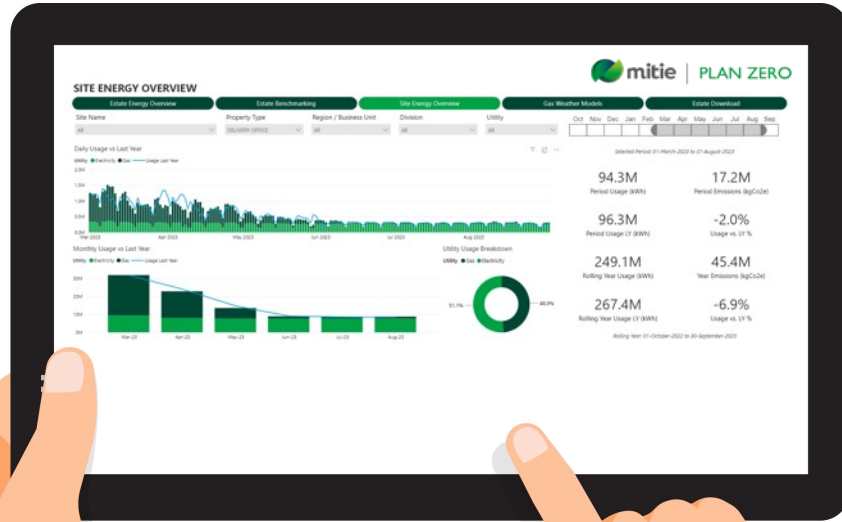
Head of Energy
Royal Mail Group





whether it's the big things or small.

The role of the energy manager has changed forever



Increasing Importance of Sustainability
Drive toward Net-Zero



Technology Advancements



Renewable Energy



Evolving Policies and Regulations



Shift Towards Decentralised Energy Systems



Holistic Approach to Building Management



Enhanced Reporting and Communication

Royal Mail's Journey to Net-Zero



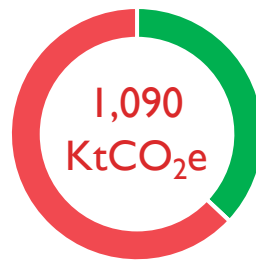
REDUCE PARCEL
EMISSIONS TO



50
gCO₂e

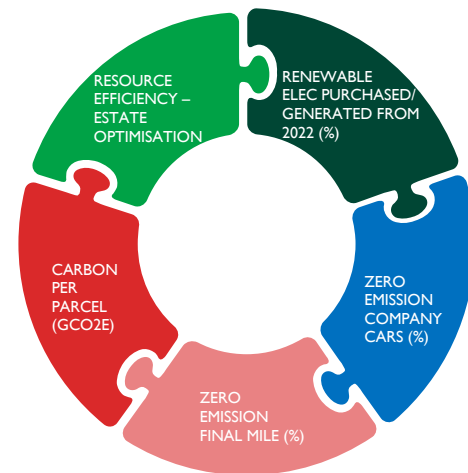
2040
Net-Zero

EMISSIONS BY SCOPE



- Scope 1: 408KtCO₂e/37%
- Scope 2: 1KtCO₂e/0%
- Scope 3: 682KtCO₂e/63%

THE JOURNEY



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



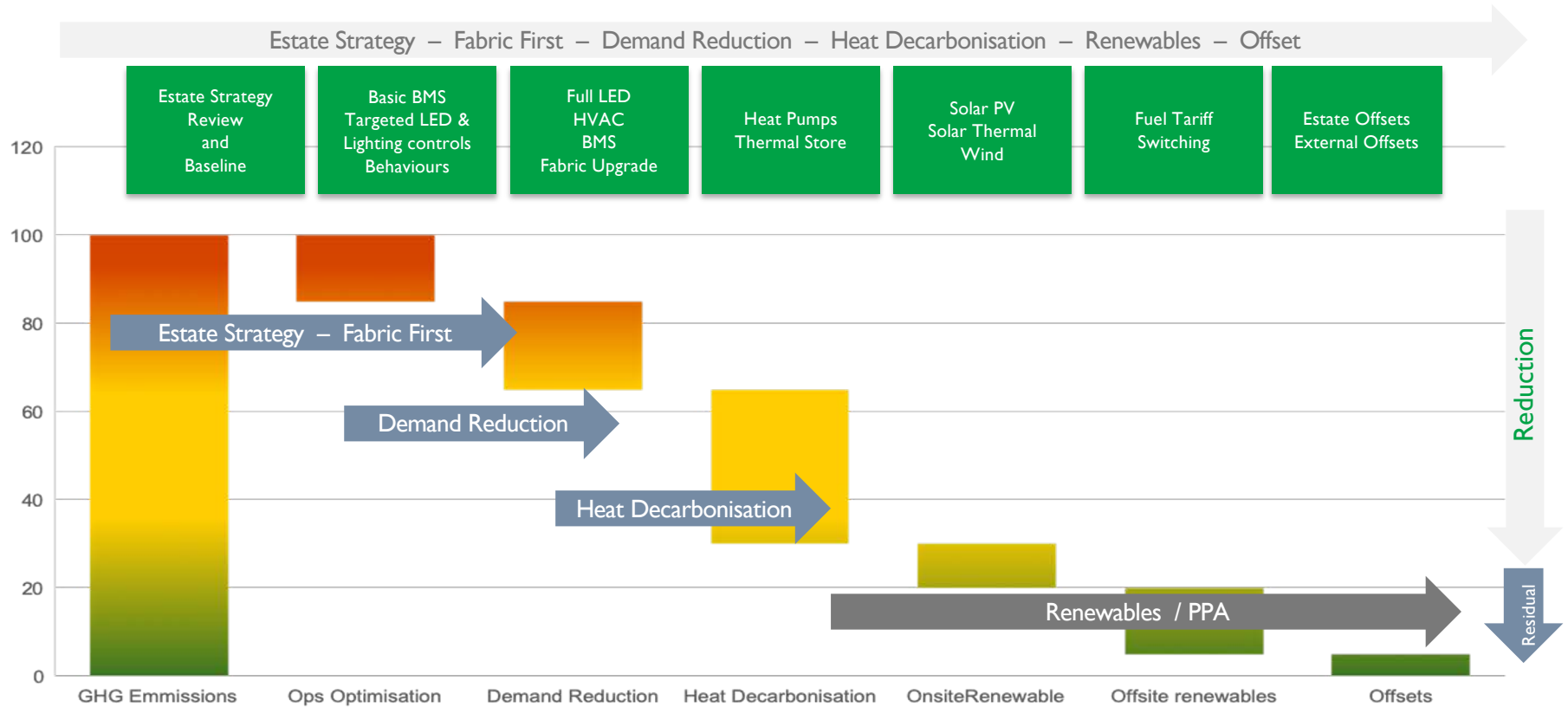
13 CLIMATE
ACTION



A Low Carbon Pathway



PLAN ZERO



How Estate Optimisation is Helping Our Journey to Net Zero

During the first year of the EPC 2022, we reduced energy across the RMG estate by:

16.7GWh*

That's the equivalent to the annual usage of:

1,100 UK homes

RMG delivered an additional saving of:

20GWh

across their smaller properties.

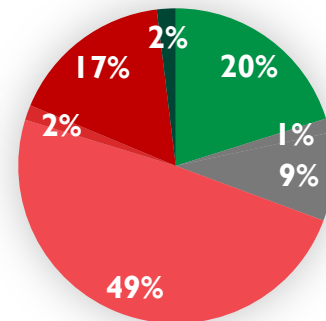
EPC Saving (kWh) delivered since contract start



Estate-wide programs need systemwide thinking, programmatic approach and collaboration:



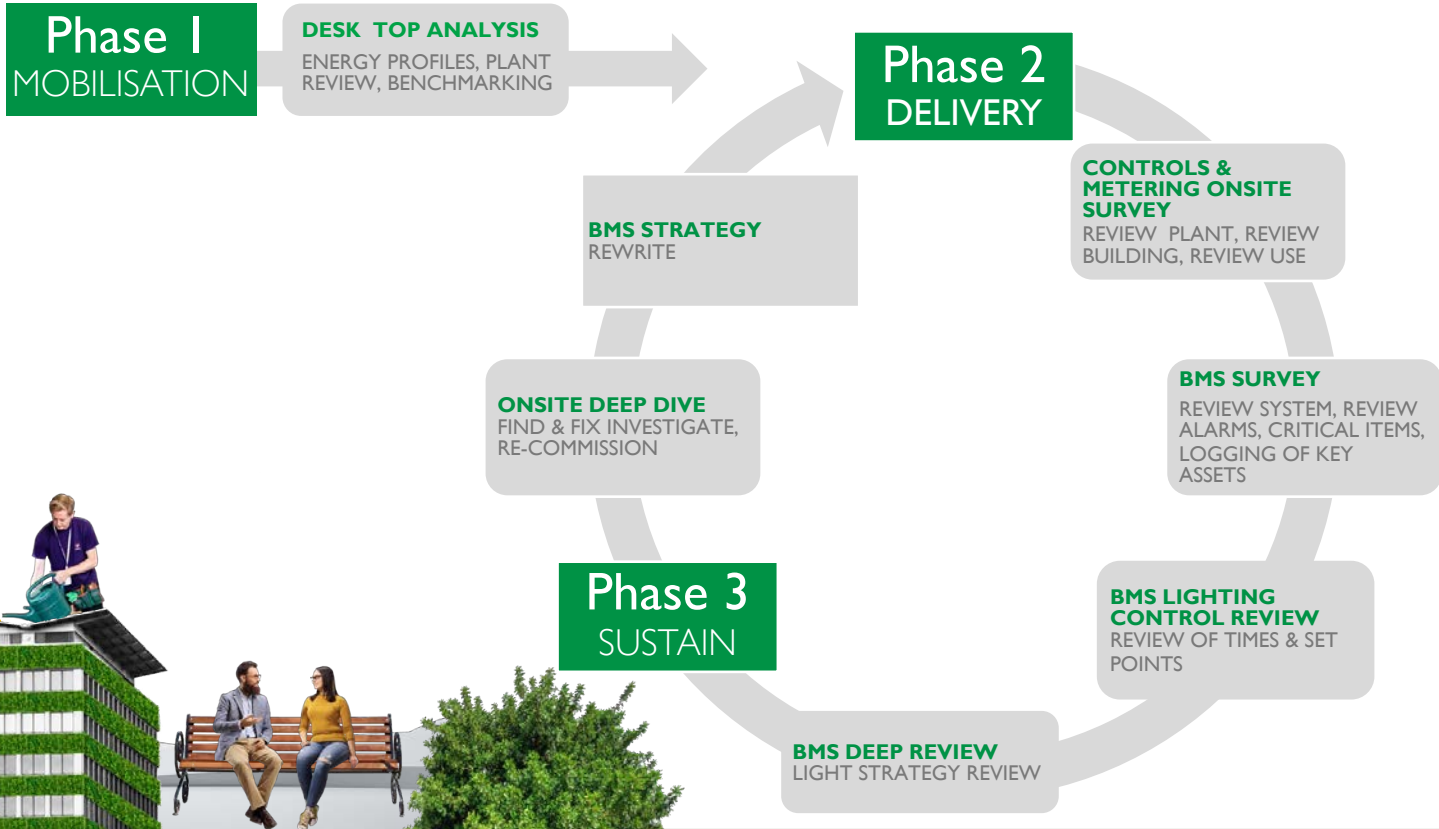
The EPC reduces the annual consumption through delivery of energy management focusing on no capital cost to RMG.



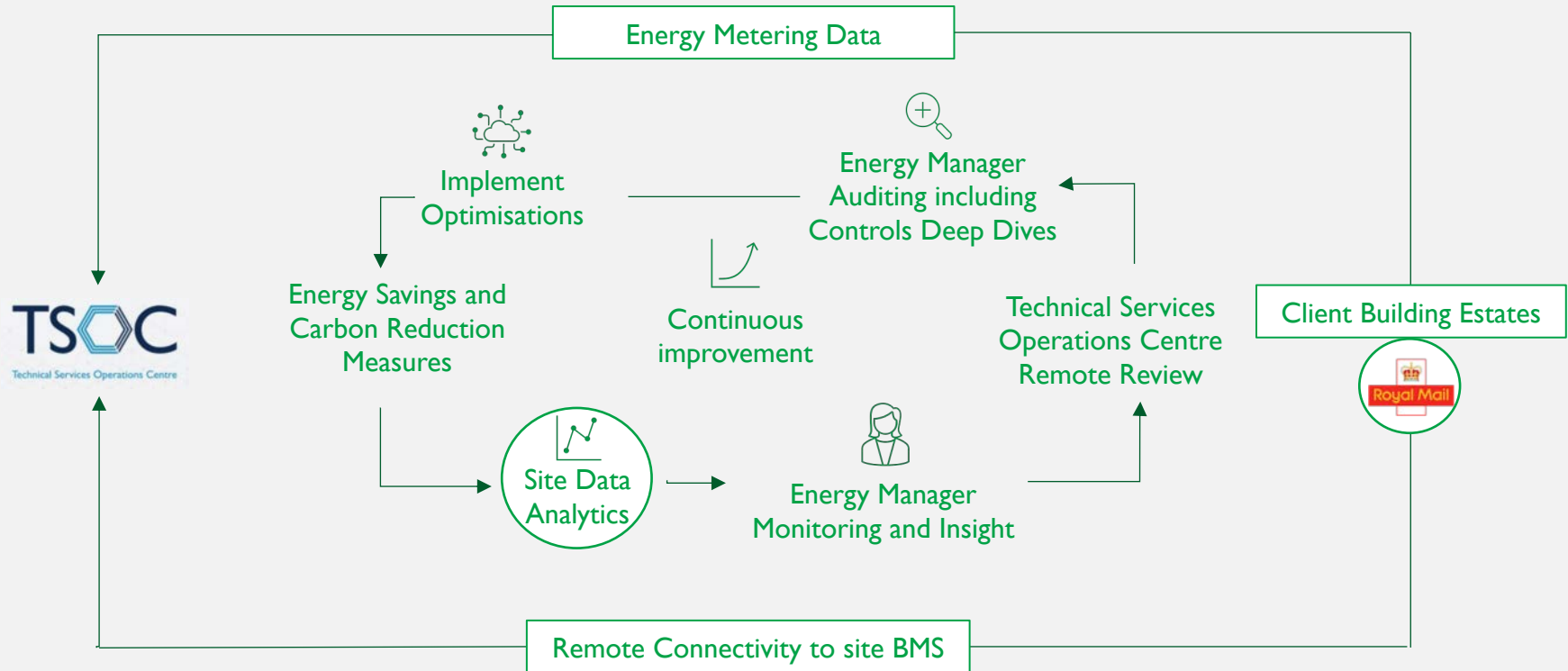
- Delivery Office
- Industrial
- Local Depot
- Mail Centre
- Office/ other
- Transport Hub
- Vehicle Service Centre

IMAGE: The Times

Foundations of delivering a successful consumption reduction program



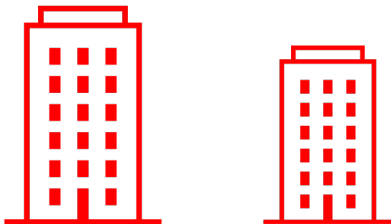
Using technology to avoid performance drift



The Long Tail & results



Energy Performance Contract



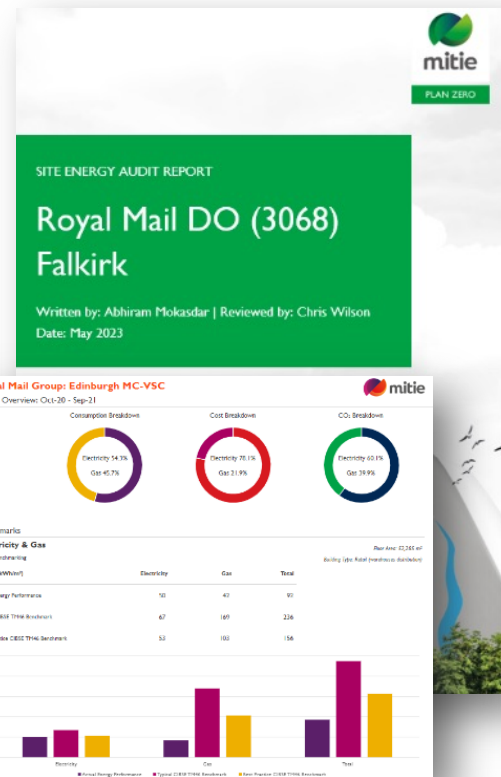
230 no. Building
66% of RMG Consumption*



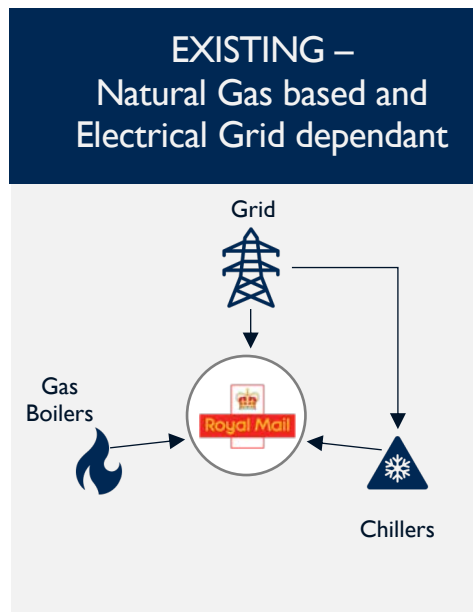
RMG Programme



1000 + no. Building
34% of RMG Consumption*



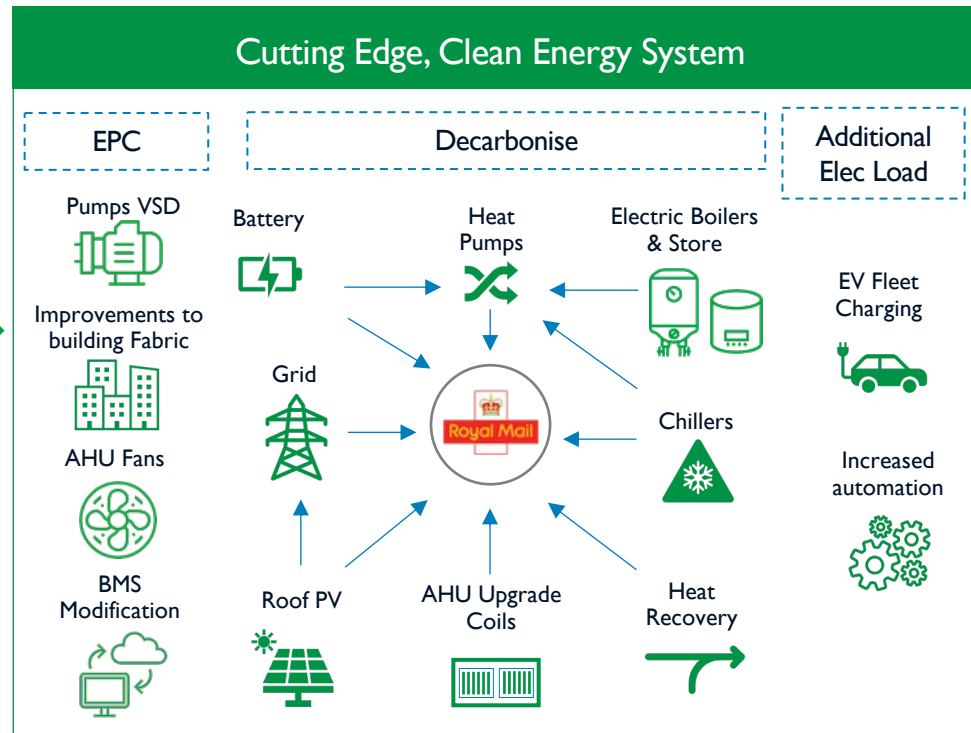
The future of the building – integral part of a flexible and green grid



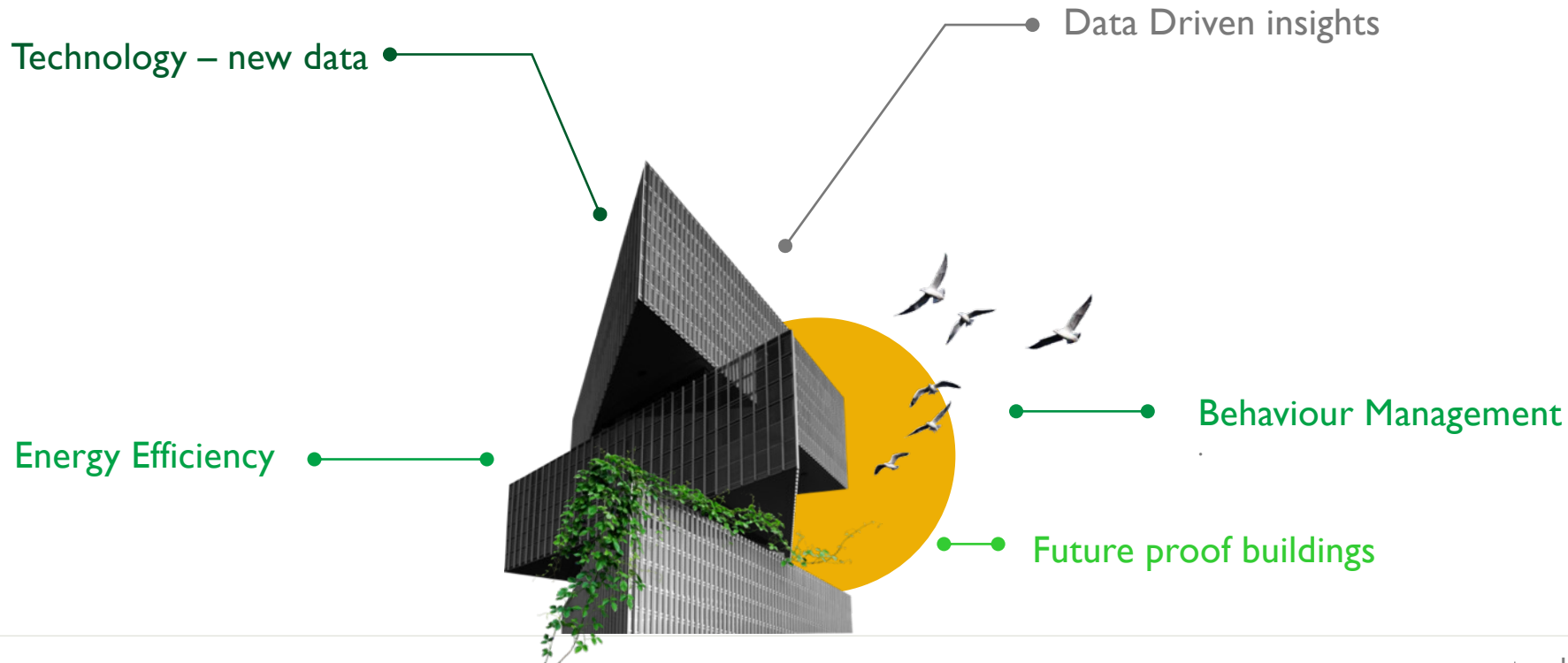
Low Carbon Solution

Future Proof

Showcase



Data and energy efficiency are the fundamental pillars in achieving net-zero emissions, as they underpin the transition to a more sustainable and low-carbon future



Plan Zero is Mitie's end-to-end Decarbonisation solution, supporting customers accelerate their journey to Net Zero



Consulting & Compliance



- Decarbonisation strategies
- Defining a pathway to net-zero
- Ensuring compliance with legislation

Energy Advisory & Procurement



- Buy green energy affordably
- manage and minimise utility risk
- Ensure payment and account for energy correctly

Energy Optimisation & Smart Buildings



- Reduce & optimise energy consumption
- Gather data & generate insight
- Implement energy efficiency measures

Decarbonisation capital projects



- Design and installation of Solar PV
- EV charging infrastructure
- Heat decarbonisation
- Energy efficiency solutions

Waste and biodiversity



- Drive nature based solutions
- Reduce waste
- Improve recycling
- Drive a circular economy

Operations & Maintenance



- Operate and maintain technology
- Improve payback
- Support monetisation opportunities

Decarbonisation, Delivered



DECARBONISATION, DELIVERED



PLAN ZERO



Mitie | Level 12, The Shard, 32 London Bridge Street, London SE1 9SG

www.mitie.com/planzero/



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9-10 October 2024 • ExCeL London

We look forward to seeing you in 2024