

MAYOR OF LONDON

PRESENTATION TO CIPFA SOUTH EAST RETROFIT ACCELERATOR – WORKPLACES (& HOMES)

Transforming public buildings and social housing for a zero carbon future

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<https://www.london.gov.uk/what-we-do/environment/energy/energy-buildings/retrofit-accelerator-workplaces> and <https://www.london.gov.uk/what-we-do/environment/energy/retrofit-accelerator-homes>



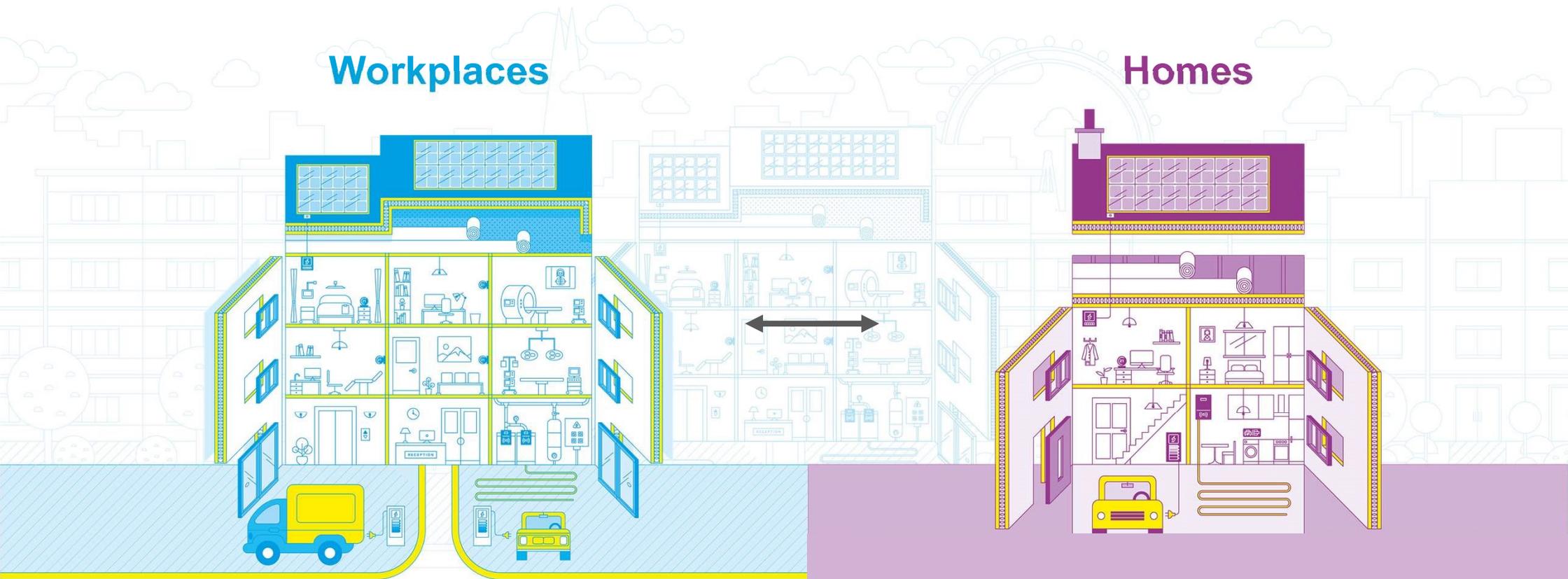
GREATER
LONDON
AUTHORITY



European Union
European Regional
Development Fund

RETROFIT ACCELERATOR – WORKPLACES & HOMES

Seamless collaboration across the Mayor of London's Retrofit Accelerators to **include housing and energy in the scope** of your project.



RETROFIT ACCELERATOR – WORKPLACES & HOMES

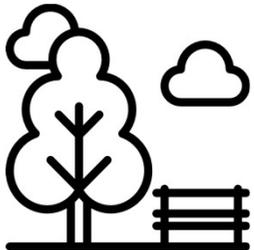


Once in a lifetime opportunity to transform London as part of a post-Covid green recovery

Realise the ambition of climate emergency declarations and harness public support



THE TIME TO ACT IS NOW



Create greener, happier places to live, work and visit

Show leadership to the world in the runup to COP26 in 2021



The ambition for London



Decarbonise London



Reduce home and workplace emissions while tackling fuel poverty



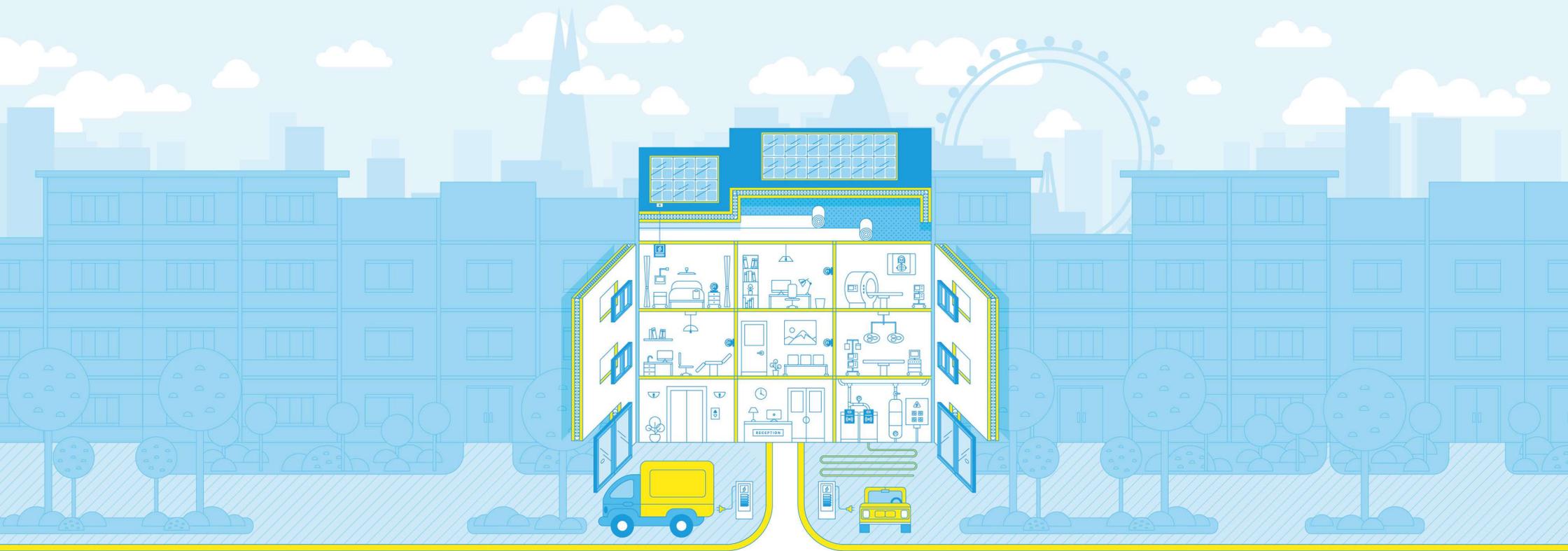
Develop energy systems utilising local renewable energy resources



A zero-emission transport network by 2050

RETROFIT ACCELERATOR – WORKPLACES

INTRODUCING THE PROGRAMME



Retrofit Accelerator – Workplaces is transforming London's energy inefficient **public buildings**, with a relentless focus on **reducing carbon** and creating **a more sustainable city** today and for future generations.



RETROFIT ACCELERATOR – WORKPLACES

Our achievements so far



10yrs

Transforming
London's public
buildings



36k+

Tonnes of CO₂
saved each year



700+

Buildings
supported for
retrofit



£126m+

Total investment
in retrofit
projects



220+

Public sector
organisations
participating



210k

Tonnes of CO₂
saved so far



£8m

Public sector
savings each
year

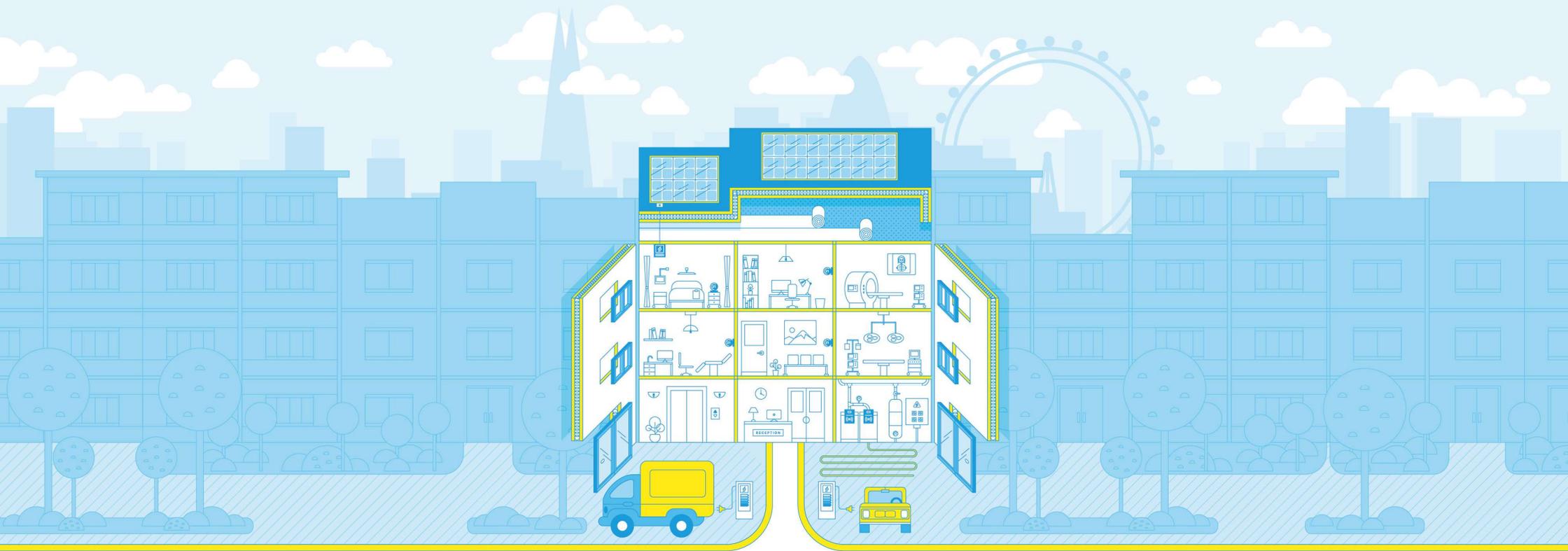


100m

kWh saved
each year

RETROFIT ACCELERATOR – WORKPLACES

OUR RETROFIT ACCELERATOR SUCCESS STORIES



RETROFIT ACCELERATOR – WORKPLACES

Case study: London Borough of Lambeth

Lambeth was the first council in London to declare a climate emergency and has also outlined proposals of how its operations will be carbon neutral by 2030. These include making all council buildings energy efficient, using ultra-low emission only vehicles and ensuring all the council's energy comes from renewable sources. The first phase of the schools project will focus on 10 primary schools and involve a range of energy conservation measures:

- Solar PV
- LED lighting upgrade
- Insulation
- Building management controls

What has the trust achieved through Retrofit Accelerator-Workplaces?

£884k capital investment

£158k annual cost savings per year

6 year pay back period

339 tonne CO2 saved per year



“Of all Lambeth Council’s climate change action plans, I believe the activities supported by the Retrofit Accelerator programme were one of the most important, because they generate guaranteed and viable savings. We were able to use a framework and avoid a complex procurement process. This made a massive difference and saved us about six months.”

Sustainability Officer, London Borough of Lambeth

RETROFIT ACCELERATOR – WORKPLACES

Case study: Epsom & St Helier University Hospitals NHS Trust

The trust has taken advantage of the Retrofit Accelerator - Workplaces' guaranteed energy savings and CO2 reduction, and reduced its carbon footprint in year one by 5,000 tonnes of CO2, equivalent to the annual carbon emissions from about 1,300 averaged-size homes. The project is now in its third phase and when completed will include the following energy reduction measures:

- Combined heat and power systems
- LED lighting retrofit
- Pipework insulation
- BMS optimisation
- HVAC replacement
- New cladding

What has the trust achieved through Retrofit Accelerator-Workplaces?

£1m savings guaranteed per year

£10m backlog maintenance offset

9 years pay back period

27% carbon reduction per year



"Retrofit Accelerator-Workplaces has allowed us to procure a specialist partner to help us identify a significant level of savings in our annual energy costs. In addition, we will be replacing our existing energy infrastructure, reducing our backlog maintenance and improving the environment for our patients."

Tim Wilkins, Deputy Director of Estates Strategy, Property and Capital

RETROFIT ACCELERATOR – WORKPLACES

Case study: London School of Economics & Political Science (LSE)

LSE's carbon management plan will ensure a carbon reduction of 54% by 2020 against 2005 levels and Retrofit Accelerator – Workplaces is a key partner in delivering the plan. By taking advantage of Retrofit Accelerators' guaranteed energy and CO2 reductions, LSE has reduced its carbon footprint by 1,783 tonnes of CO2 in the first year of its programme. With the team's support, LSE has installed a range of energy conservation measures across campus:

- Lighting replacements and lighting control measures
- Optimisation and control improvements for BMS
- Boiler replacement
- Solar PV

What has the trust achieved through Retrofit Accelerator-Workplaces?

£320,000 saved

£2m invested

6.5 year payback

30% in usage saved

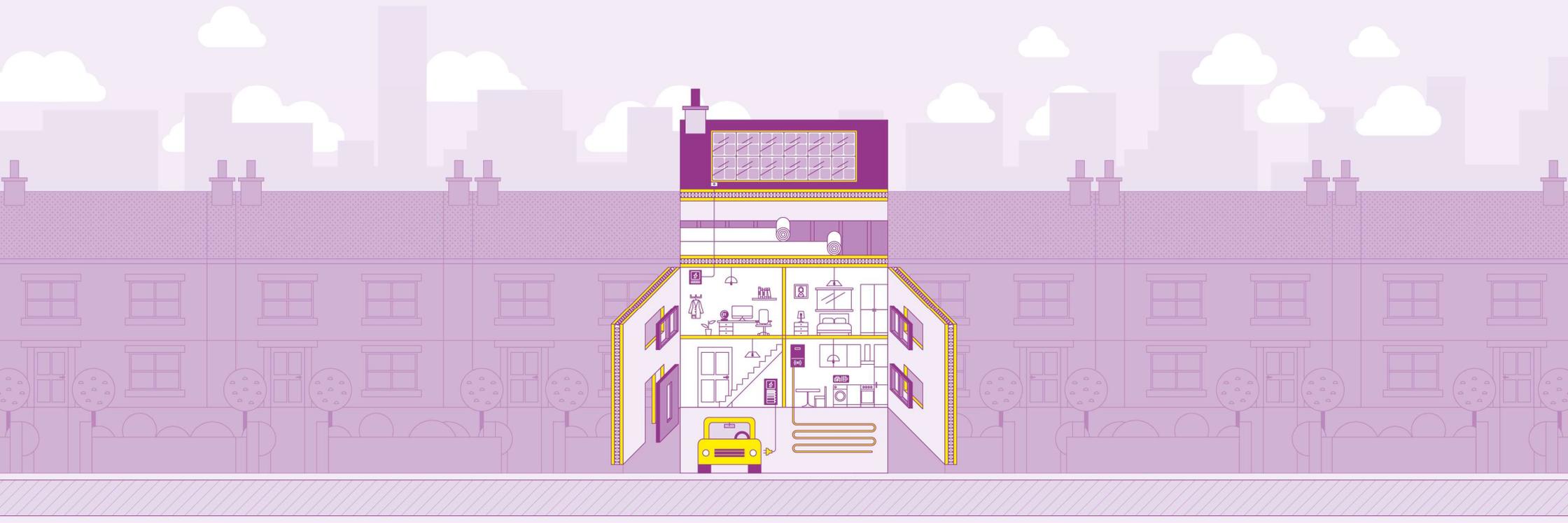


"Retrofitting our buildings is critical for hitting our carbon reduction targets, but it's a struggle to systematically deliver improvements. Retrofit Accelerator – Workplaces has been a brilliant solution for us. It's enabled my team to overcome our barriers to delivery and get savings moving and we're looking forward to our next Retrofit Accelerator phase."

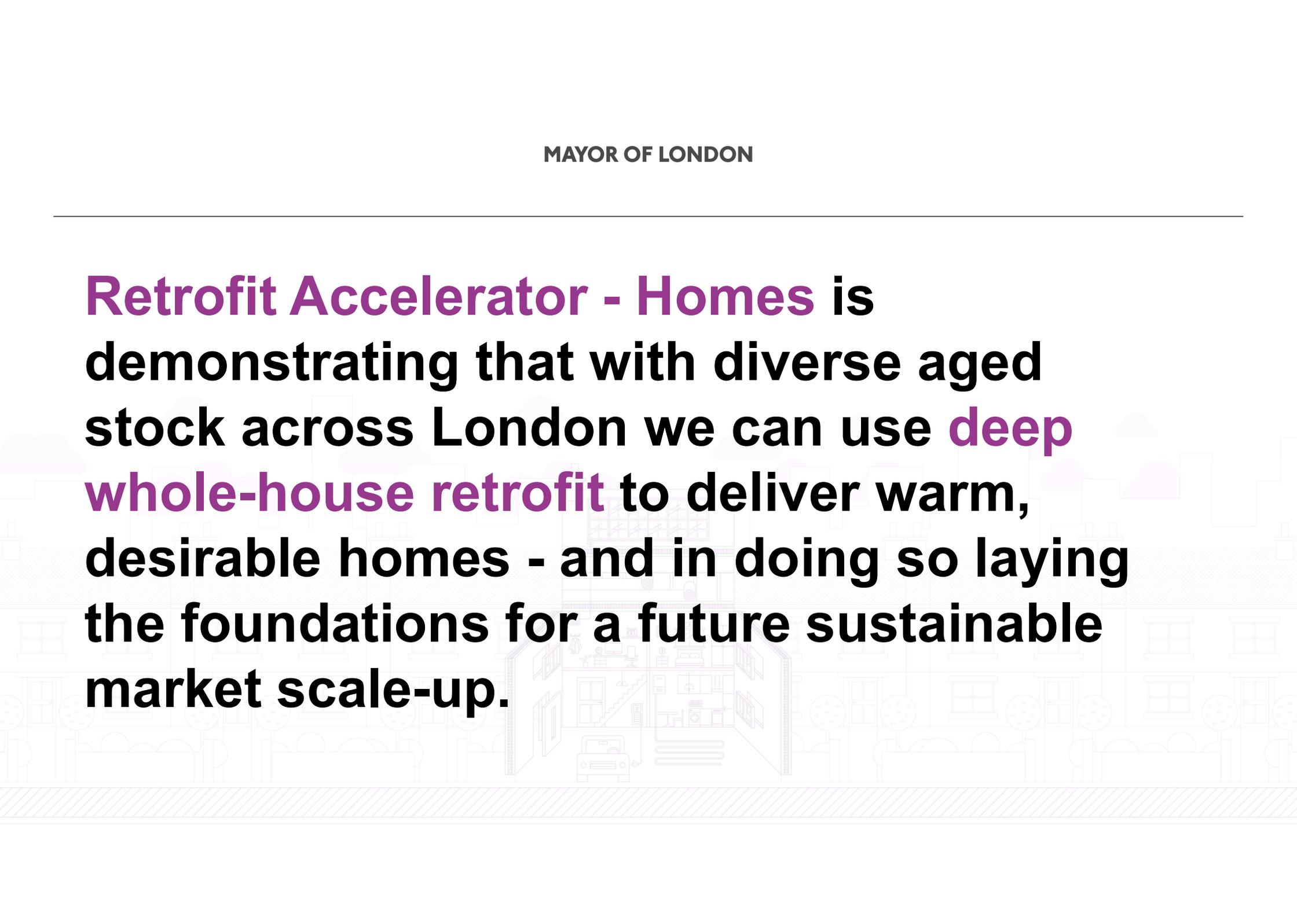
**Kenneth Kinsella, Director of Capital Development,
LSE**

MAYOR OF LONDON

INTRODUCING THE RETROFIT ACCELERATOR – HOMES PROGRAMME



Retrofit Accelerator - Homes is demonstrating that with diverse aged stock across London we can use **deep whole-house retrofit** to deliver warm, desirable homes - and in doing so laying the foundations for a future sustainable market scale-up.

A faint, stylized background illustration of a city street scene. It features a row of houses with windows and doors, trees, and a car parked on the street. The illustration is rendered in a light, sketchy style, providing a subtle context for the text about housing and retrofitting.

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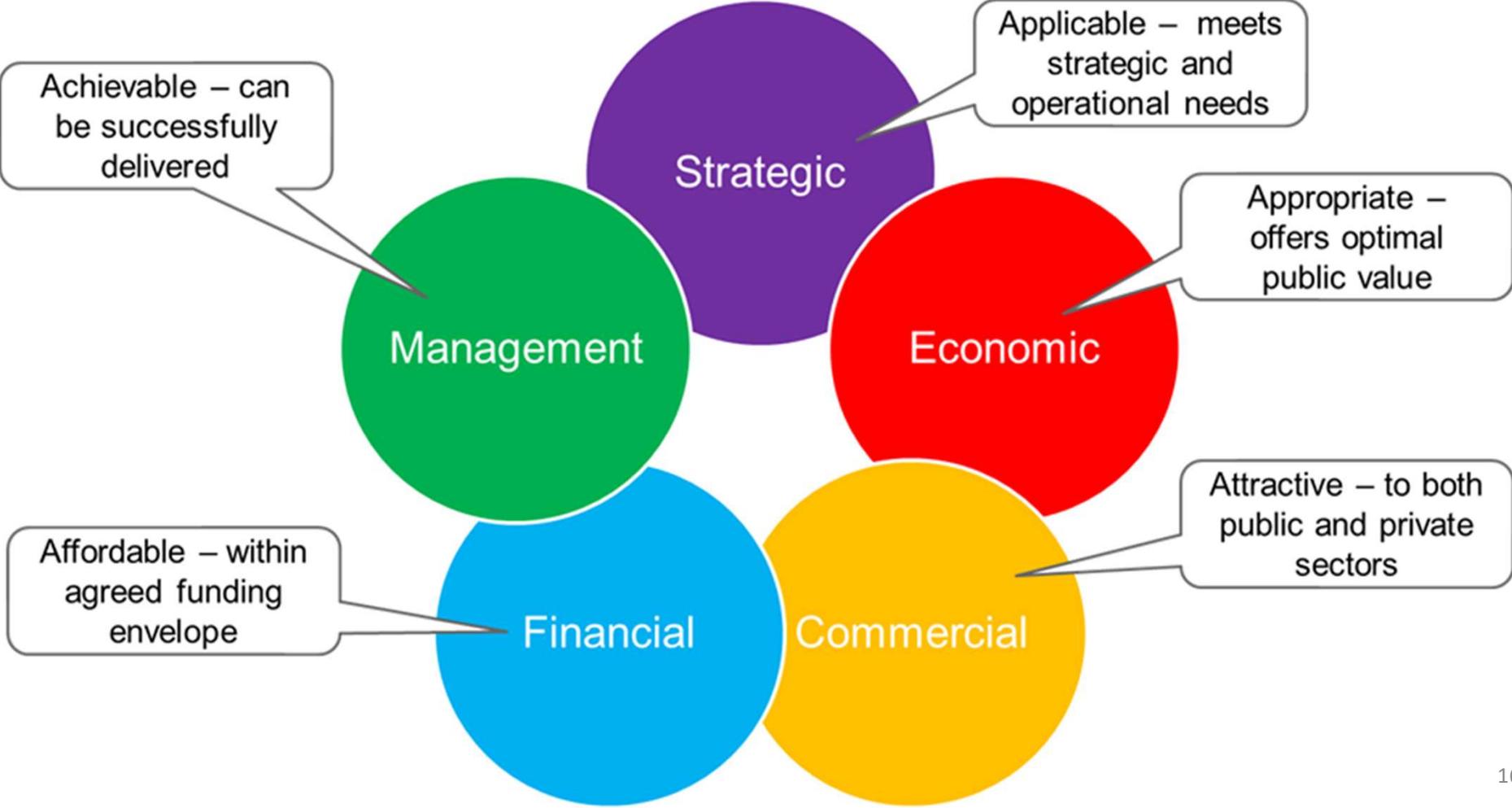


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uk

<https://www.energiesprong.uk/>



HM Treasury's Better Business Cases



RETROFIT ACCELERATOR – WORKPLACES

Introduction

In partnership with the Department for Business, Energy and Industrial Strategy (BEIS) Salix Finance have launched the £1bn Public Sector Decarbonisation Scheme.

Purpose

- The Grant Scheme will align with BEIS' mission and priorities: fighting coronavirus, backing business, unleashing innovation & tackling climate change
- Funding is for capital energy efficiency & low carbon heating projects and will deliver the following objectives:
 - Deliver stimulus to the energy efficiency and low carbon heat sectors, supporting jobs
 - Deliver significant carbon savings in the public sector