

# MAYOR OF LONDON

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**INTRODUCING  
RE:FIT LONDON**

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## RE:FIT LONDON ASSISTS YOUR ORGANISATION TO MEET CO<sub>2</sub> EMISSION REDUCTION TARGETS

TODAY

2020

- 20% fewer greenhouse gas emissions (vs. 1990)
- 20% increase in renewables
- 20% cut in energy

2025

- London Mayor's Climate Change Target
- 60% fewer greenhouse gas emissions (vs. 1990)

2050

- UK Climate Change Act
- 80% fewer greenhouse gas emissions (vs. 1990)



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## WHAT IS RE:FIT LONDON?

- The Mayor of London's **award-winning building retrofit programme** for public sector organisations
- Fast-track **OJEU compliant** framework with 16 service providers to choose from
- A **tried and tested** Energy Performance Contracting model in place since 2010
- A **Programme Delivery Unit** that provides technical assistance and continual support from design to implementation free of charge
- **Guaranteed** to save you money and energy
- **Reduces 15–25%** of organisations' energy costs



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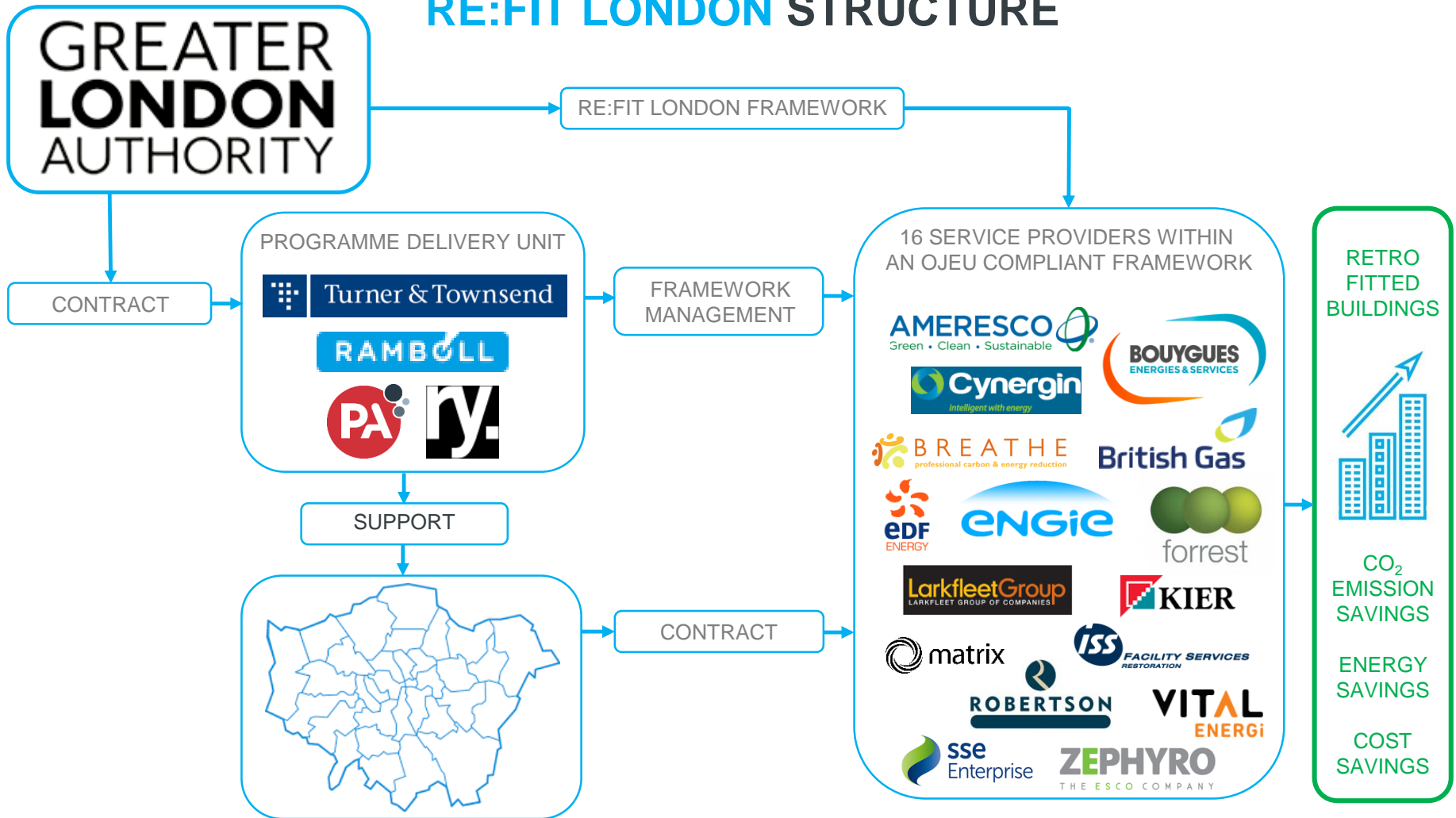
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## WHAT IS THE PROGRAMME DELIVERY UNIT?

- **Manages** the RE:FIT framework of suppliers
- **Drives the uptake** by London-based public sector organisations
- Supports clients through **all project stages**
- Uses experience and **lessons learnt** to develop best practice approaches, templates and standards
- **50/50 funded** by GLA and ERDF
- Provided at **no cost** to London's public sector organisations

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## RE:FIT LONDON STRUCTURE



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## WHAT HAS RE:FIT LONDON ACHIEVED SO FAR?

200+

PUBLIC SECTOR  
ORGANISATIONS PARTICIPATING

30k

TONNES OF CO<sub>2</sub> SAVED  
EACH YEAR

680

BUILDINGS SUPPORTED  
FOR RETROFIT

£102m

TOTAL INVESTMENT  
IN RETROFIT PROJECTS

149k

TONNES OF CO<sub>2</sub>  
SAVED SO FAR

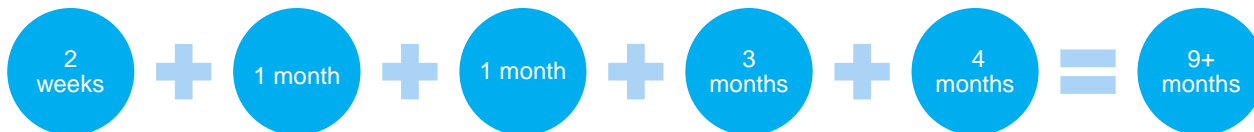
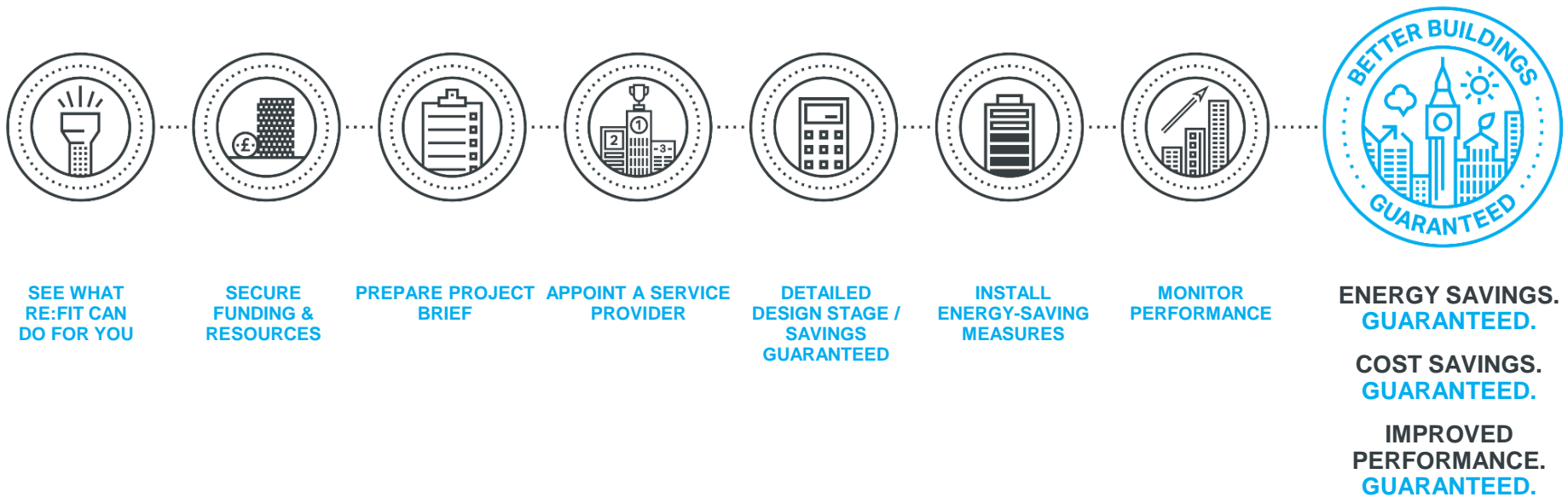
£7.1m

PUBLIC SECTOR COST  
SAVINGS EACH YEAR



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## HOW DOES RE:FIT LONDON WORK? IT'S A SIMPLE SEVEN STEP PROCESS



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SINCE WE STARTED, **WE'VE WON**  
**NUMEROUS AWARDS** FOR OUR WORK





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## RE:FIT LONDON FRAMEWORK 3 MOVING FORWARD

180

PUBLIC SECTOR  
ORGANISATIONS TO BE ENGAGED

31k

TONNES OF CO<sub>2</sub> SAVED  
EACH YEAR

570

BUILDINGS TO BE SUPPORTED  
FOR RETROFIT

£85m

TOTAL INVESTMENT  
IN RETROFIT PROJECTS

108k

TOTAL TONNES OF CO<sub>2</sub>  
SAVED

£7m

PUBLIC SECTOR COST  
SAVINGS EACH YEAR



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## TYPES OF RE:FIT LONDON PROJECTS

Major Works  
All Sectors  
**Project values £1m +**

Small Works  
All Sectors  
**Project values up to £1m**

Schools / Colleges  
**Project values £100K +**

Quick fix / fast  
track projects

Optimising  
existing sites

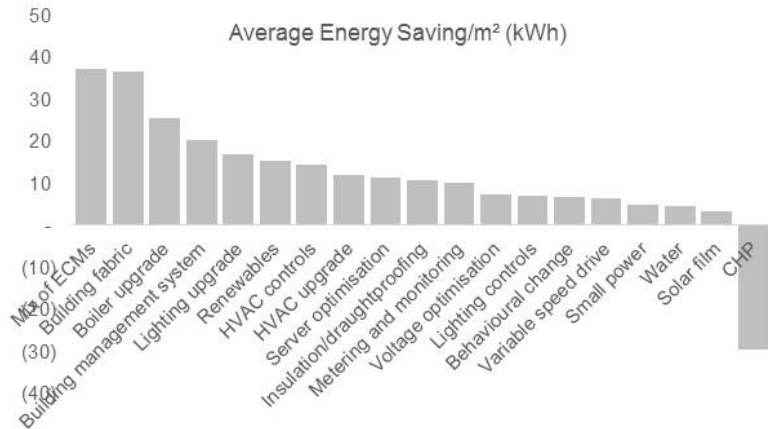
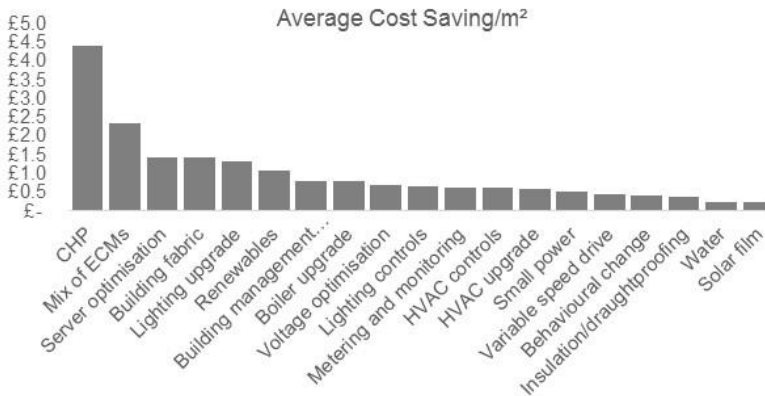
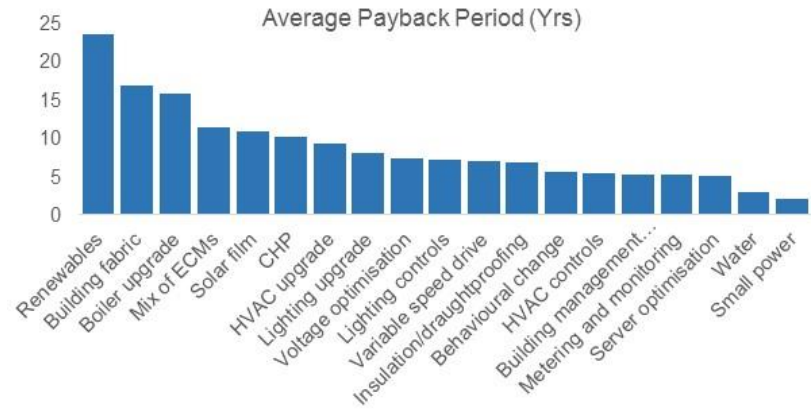
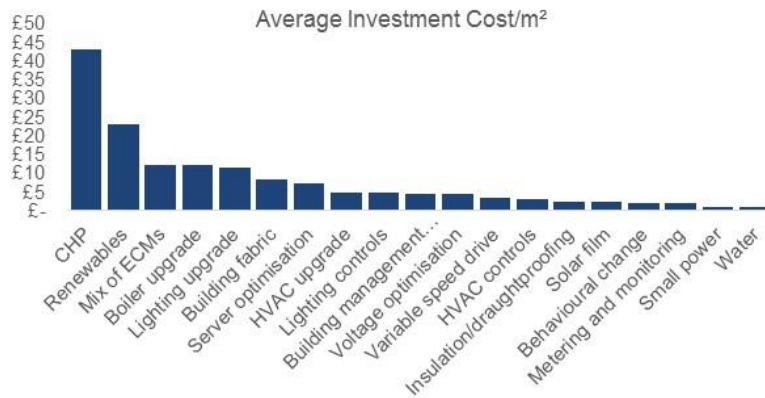
Maintenance  
back log

Large  
Infrastructure



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## TYPICAL COSTS AND SAVINGS



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## FUNDING YOUR PROJECT



## RANGE OF FUNDING OPTIONS

Own funding

Direct borrowing

Third party finance, including 'off- balance sheet'

A mix of the above

**SALOX**  
SOLVING ENERGY EFFICIENCY  
FINANCE IN THE PUBLIC SECTOR

LONDON  
ENERGY  
EFFICIENCY  
FUND



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## TENDER OPTIONS



### Flexible to suit client requirements



**OPTION 1** Partner Bid Selecting a Service Provider primarily on their approach, capability and understanding of your project requirements.



**OPTION 2** Target Bid Selecting a Service Provider based on the guaranteed savings level and detailed technical proposals.



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## WHAT HAVE WE LEARNED TO MAKE A PROJECT MORE SUCCESSFUL?

- **Accurate building data** is important
- **Internal representative is key to delivering a successful project**
- **Senior level buy in** demonstrates commitment to service providers
- **A ring fenced budget** will improve results and increase potential savings
- **A strong Business Case** improves the impact of projects
- **Stakeholder engagement** is key
- Opportunity for **small projects** to develop into bigger projects



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## RE:FIT BUILDING ON SUCCESS

**Proven success** leads to new projects

A significant number of organisations to date have developed **consequent project phases** using RE:FIT to achieve their longer term sustainability targets

- **KEW Gardens** 3<sup>rd</sup> phase underway to install CHP and renewable energy measures
- Hounslow's Western International Market **is the largest array of solar panels** installed by any local authority in the UK.
- **London Fire Brigade** commenced to their 3<sup>rd</sup> RE:FIT project to deliver energy conservation measures to 21 fire stations across London.
- **TFL** working with the PDU to develop a large renewable energy scheme following two successful RE:FIT rounds.



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## RE:FIT ENGAGED ORGANISATIONS

### London Boroughs



### Education



### Central Government



### NHS & Health



### Culture & Heritage



### GLA Family



### RE:FIT Schools



### Other Organisations



### RE:FIT SMEs





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## CASE STUDIES

# DELIVERING A CARBON-ZERO ZONE IN HOUNSLOW

“We implemented a solar PV energy and battery storage project that demonstrates LB Hounslow’s aspiration to convert Western International Market to a carbon-zero site. It is a real business success story, and a great example of working together with the RE:FIT PDU, to put sustainable energy at the heart of future plans.”

**CHARLES PIPE**  
ENERGY MANAGER,  
LONDON BOROUGH OF HOUNSLOW

## RE:FIT LONDON SCHOOLS PROGRAMME

London Borough of Hounslow is using the RE:FIT London schools programme to install LED lighting and solar panels across a number of schools to reduce energy consumption and carbon emissions.

The programme is targeting all London’s schools, including maintained schools, eligible academy trusts and independent schools charitable trusts

## PHASE 1 - LB HOUNSLOW SCHOOLS

780

TONNES OF CO2  
SAVED EACH YEAR

£247K

SAVED EACH YEAR

6069

PV PANELS  
INSTALLED

23

SCHOOLS

36%

ENERGY SAVINGS

6

YEAR PAYBACK  
PERIOD

# HELPING KEW GET EVEN GREENER

“With RE:FIT we have been able to quickly and easily procure the expertise we need, allowing us to work to tight timeframes and deadlines.

Having completed two projects through RE:FIT already we are part way through a third which we hope will generate the biggest savings yet, helping us reach our 25% CO2 emission reduction target.

The framework provides confidence and reduces risk by requiring suppliers to guarantee energy and financial savings.”

**SACHI FINDLATER**  
ENERGY MANAGER

720

TONNES OF CO2  
SAVED EACH YEAR

£120K

SAVED EACH YEAR

6

YEAR PAYBACK  
PERIOD



# HELPING LSE BECOME A LEADER IN SUSTAINABILITY

“Retrofitting our buildings is critical for hitting our carbon reduction targets, but it’s a struggle to systematically deliver improvements. RE:FIT 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 RE:FIT phase.”

**KEN KINSELLA**

DIRECTOR OF CAPITAL INVESTMENT,  
LONDON SCHOOL OF ECONOMICS

.....

**1278**

TONNES OF CO2  
SAVED EACH YEAR

.....

**£250K**

SAVED EACH YEAR

.....

**11%**

ANNUAL ENERGY  
SAVINGS

.....

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## HELPING GREENWICH ACHIEVING WIDER CO2 REDUCTION OBJECTIVES

“RE:FIT has provided the council with an innovative solution to improving energy efficiency in our corporate buildings and leading by example to achieve the wider carbon reduction objectives for the Borough.

In an uncertain sector, the guarantees offered as part of RE:FIT scheme provide assurances for budget planning and decision making.”

**SHAUN GIBBONS**

CARBON REDUCTION OFFICER,  
ROYAL BOROUGH OF GREENWICH

.....

**825**

TONNES OF CO2  
SAVED EACH YEAR

.....

**£190K**

SAVED EACH YEAR

.....

**5**

YEAR PAYBACK  
PERIOD

.....