



CANADA WATER

Canada Water – The Future of Sustainability

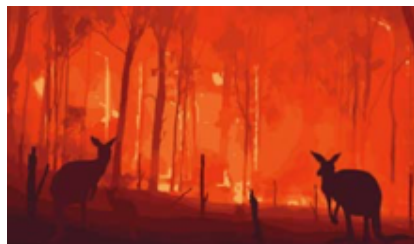
Wednesday 20th April 2022

Hannah Farahar
Development Director



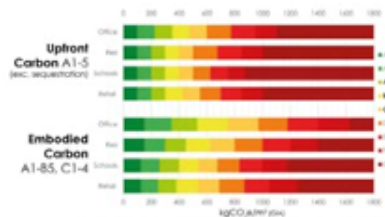
Net Zero Whole Life Carbon Roadmap for the Built Environment

UKGBC have launched the Whole Life Carbon Roadmap, a common vision and agreed actions for achieving net zero carbon in the construction, operation and demolition of buildings and infrastructure.



UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY

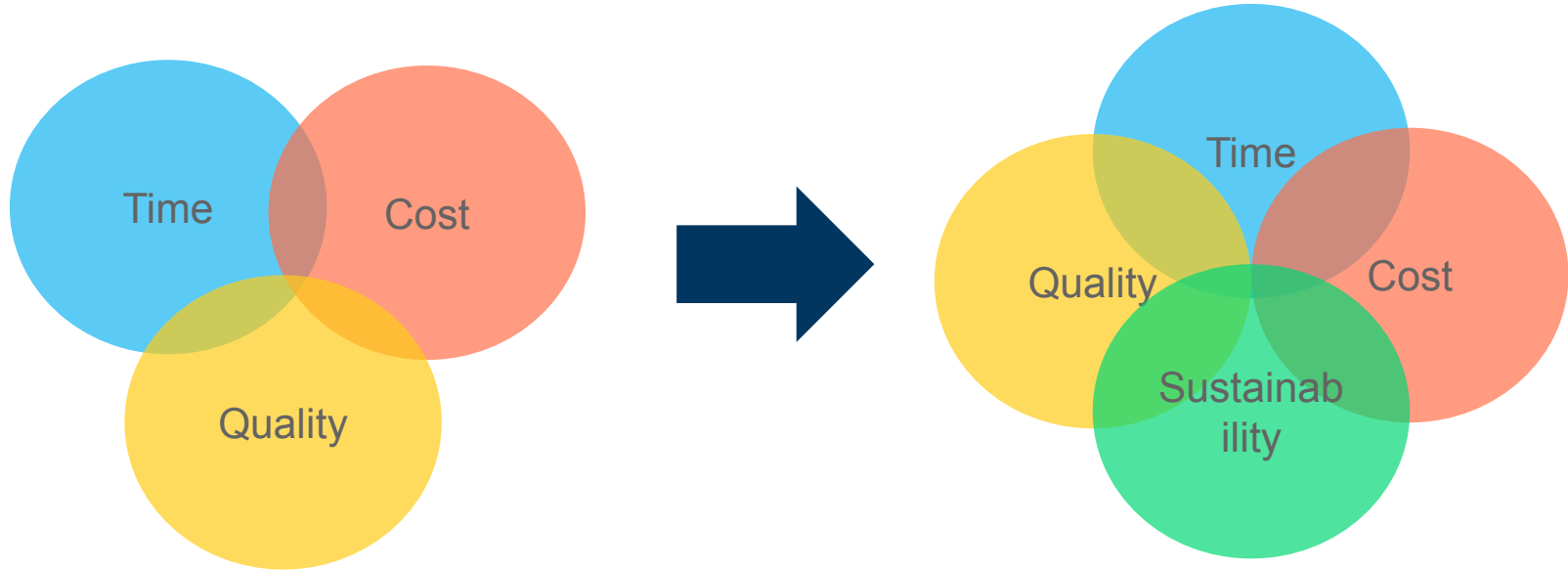




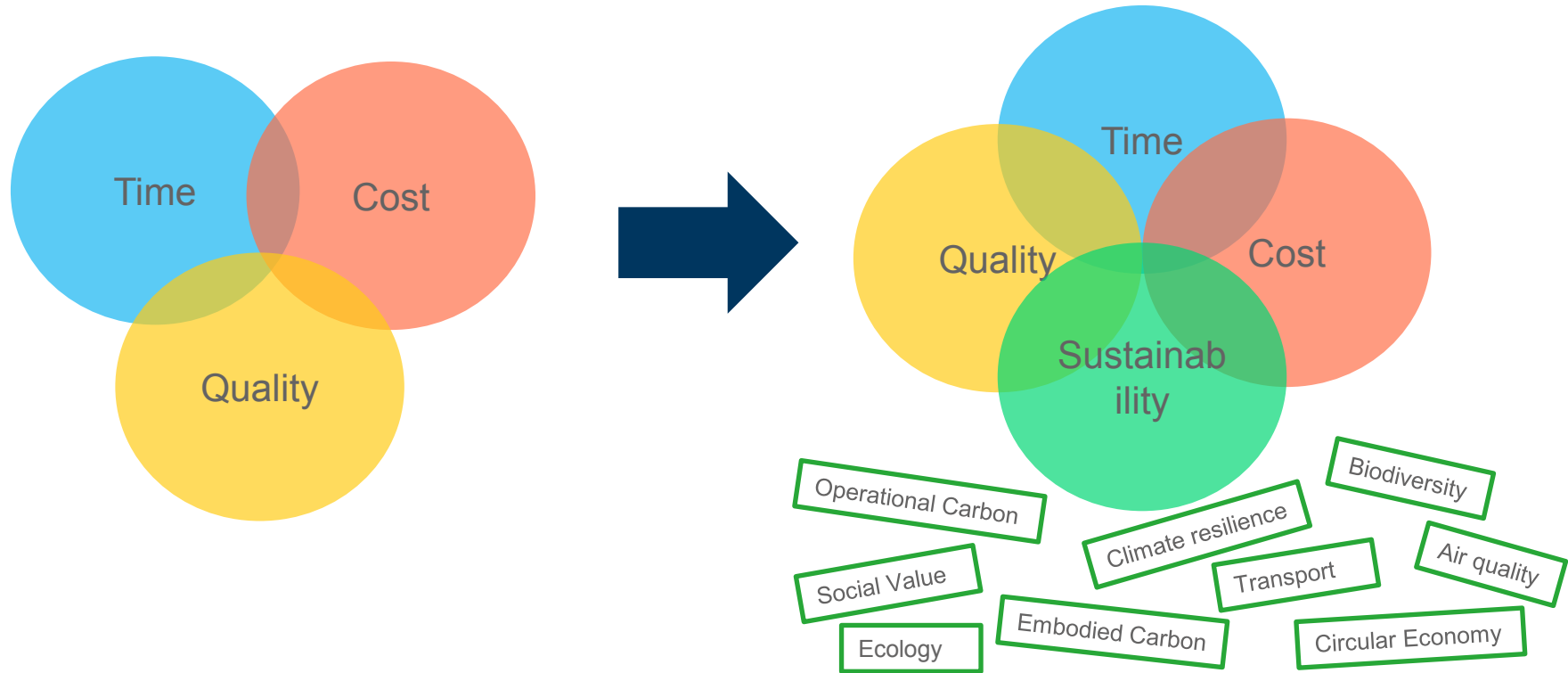
Sustainability

Ensuring that every decision taken by each of us every day is environmentally and socially intelligent, as well as making sound financial sense, is central to creating Places People Prefer

Sustainability as part of the value chain



Sustainability as part of the value chain



Our 2030 Sustainability Strategy



Our commitment

We will transform our portfolio to be net zero carbon by 2030



Reduction in embodied carbon at our developments

LESS EMBODIED CARBON

Using three priorities:

- Prioritise retrofit above new build
- Employ circular economy principles in design and construction
- Be innovative in the use of more sustainable materials



Reduction in operational carbon intensity

LESS OPERATIONAL CARBON

To reduce operational carbon, we will:

- Deliver a step change in energy efficiency
- Use renewable energy from new, additional sources
- Support our customers with their own sustainability plans

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Per tonne, to be reviewed annually

TRANSITION VEHICLE

OFFSETTING RESIDUAL EMISSIONS

RETRO FIT EXISTING PORTFOLIO

INVEST IN RESEARCH & DEVELOPMENT



CANADA WATER



53-acre masterplan in Southwark. **Aiming to be the most authentically sustainable urban regeneration scheme in the UK**

Sustainability Ambitions

Bolder innovations,
deeper connections,
higher standards

‘Sustainability-first’ thinking
integrated into everything
we do and every decision
we make, at every stage of
the development.

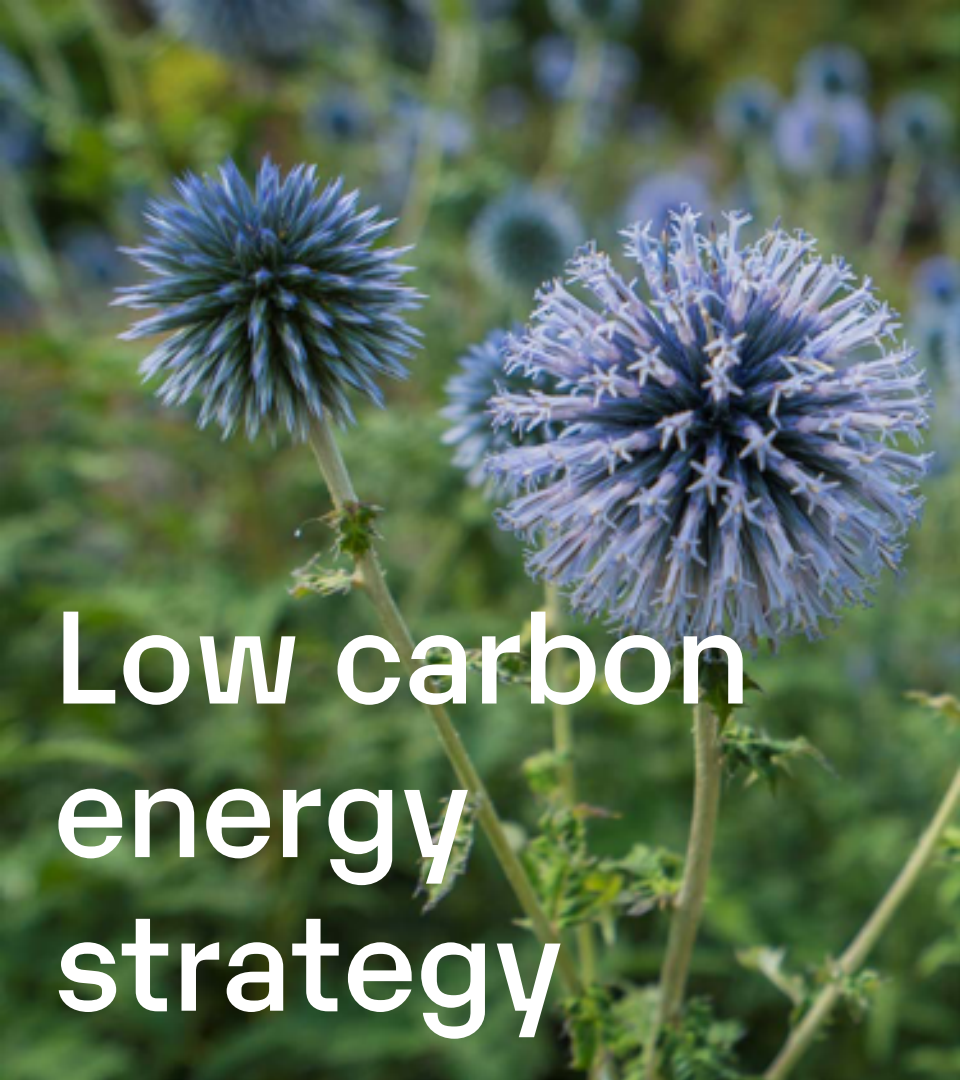


Rethinking traditional design approaches



Relationship of form and function

Adaptive reuse and circular
economy principles baked in from
day one



Low carbon energy strategy

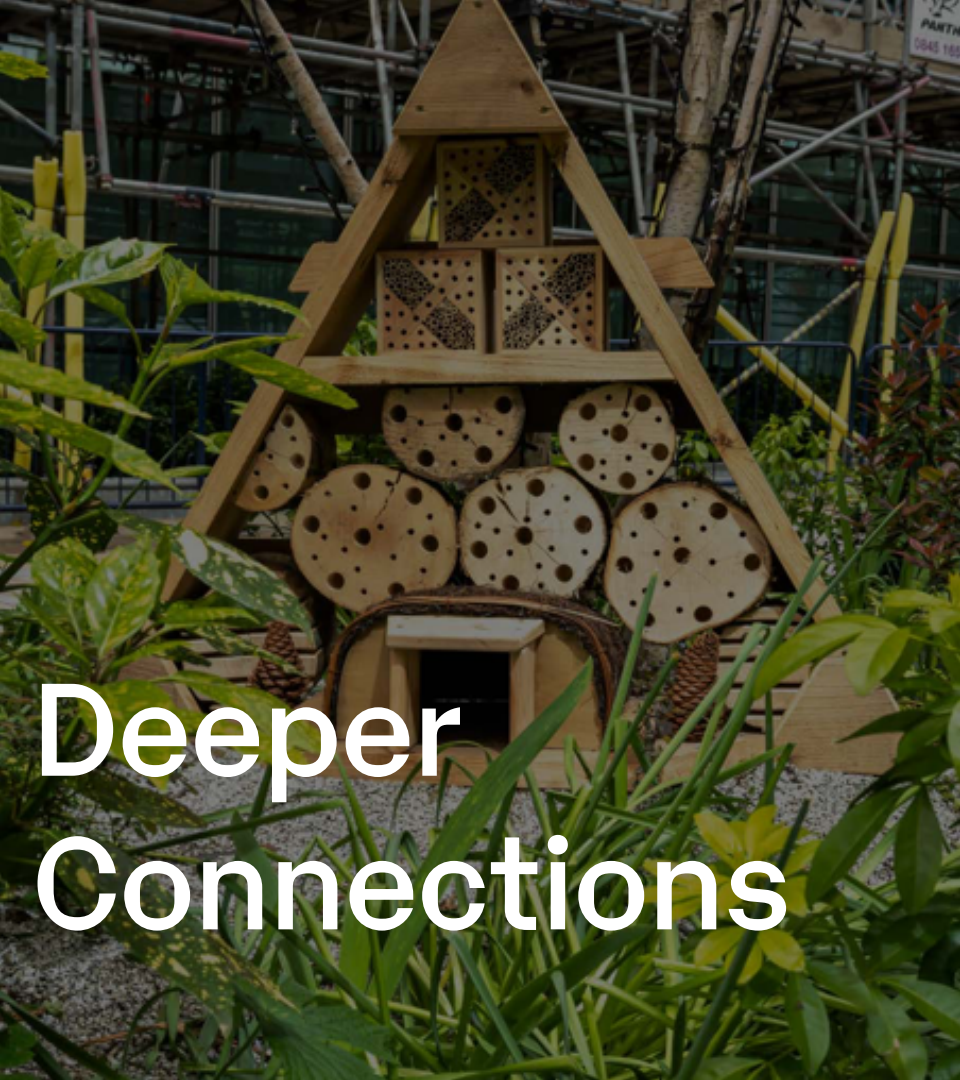
- **All-electric** energy approach with low temperature (ambient) heat networks
- Combined air and water simultaneous **heat pumps**
- **Mitigates the inefficiency** of a high temperature network or system
- BRE Applied Innovation Credit for **industry first - re-use of office waste heat** to heat residential homes. Now implemented across the masterplan
- British land procures **100% renewable energy**
- **Adaptable** to advances in technology

Cement Free Concrete

Award winning

The first use of cement free, Earth Friendly Concrete (EFC™), in permanent piling works in the UK – saving 240 tonnes of carbon emissions – or 45% compared to traditional piling mix.





Deeper Connections

- Wide range of experts and partners, the best designers, contractors and suppliers from across the CW community
- Procurement approach focused on early engagement with contractors and the supply chain



Local Engagement



The Paper Garden: a circular economy building built by the CW community

TEDI LONDON

**CONSULTANTS'
CHARTER**
Creating a lasting
legacy for all

**London
Wildlife
Trust**

Real connections

A contribution that counts



Higher standards

- **Largest cluster of BREEAM Outstanding buildings in the UK**
 - BREEAM Communities
 - BREEAM Outstanding
 - Home Quality Mark 3
- **Largest cluster of NABERS rated offices in the UK**
 - Sophisticated energy modelling and energy rating tool for building services
- **Some of the first SmartScore buildings in the UK**
 - Best-in-class, digitally intelligent buildings
 - All buildings at Canada Water will be smart



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Thank you