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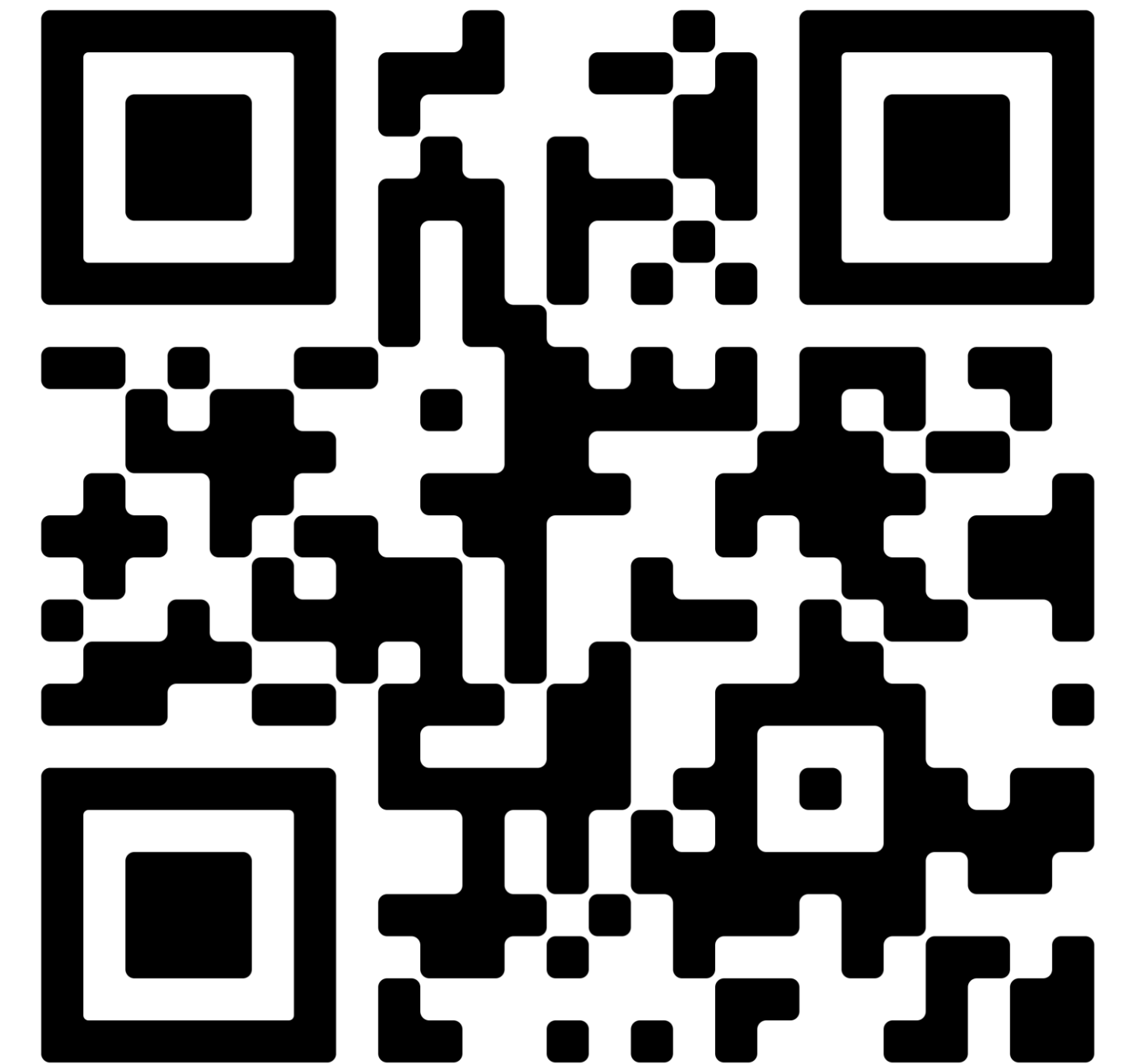
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**EXPO 2024**  
Wednesday 17 April 2024





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## Setting the scene

Welcome

# Neil Gibson

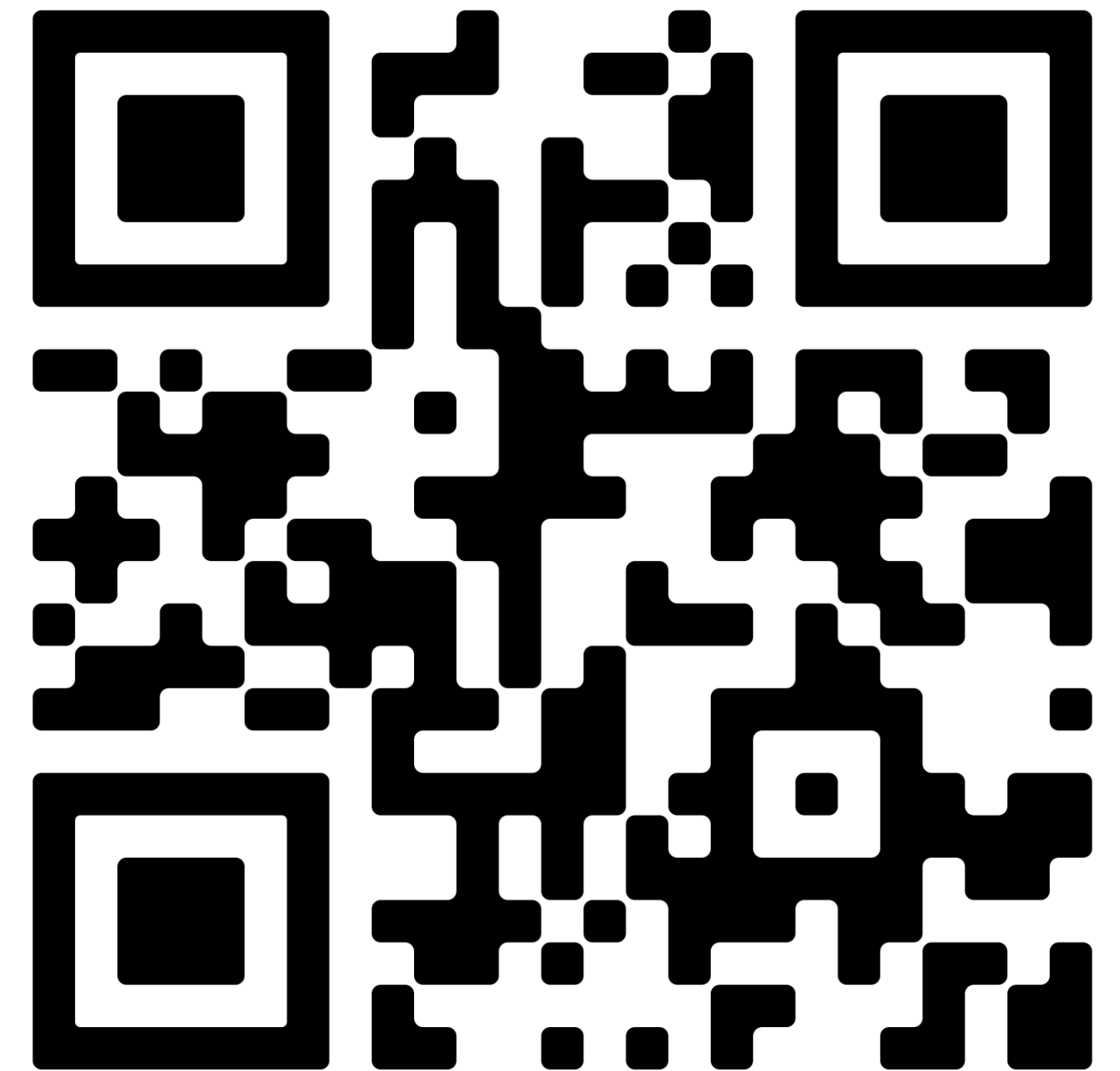
*Live Labs 2 Commissioning Board*

and past ADEPT President

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## Setting the scene

### Neil Gibson

*Live Labs 2 Commissioning Board*  
and past ADEPT President

### Rupert Furness

*Deputy Director, Highways, Active Travel & Strategy*  
Department for Transport

### Romain Pison

*Director of Decarbonisation*  
SYSTRA

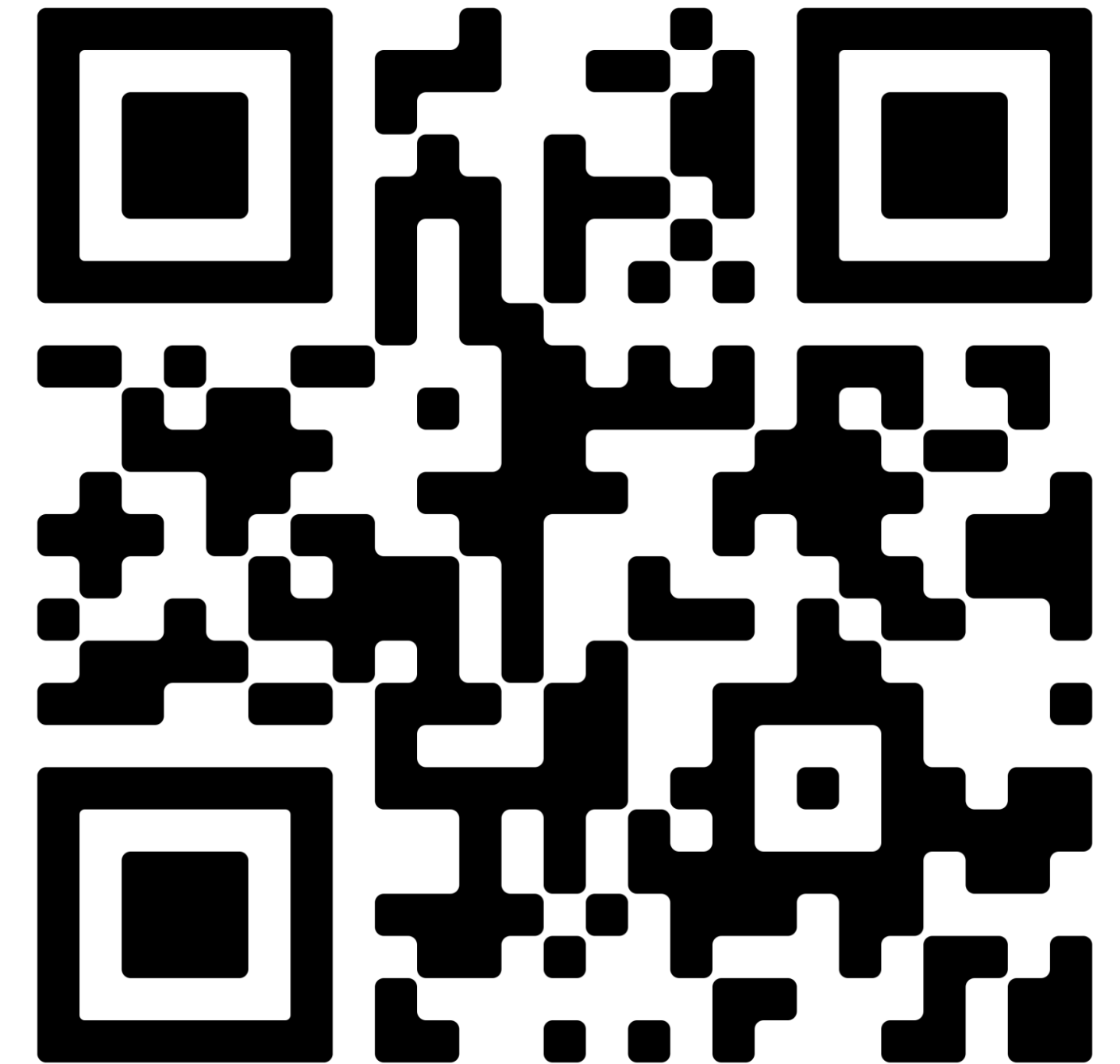
### David Riley

*Head of Carbon Neutrality*  
Anglian Water

### Giles Perkins

*Programme Director*  
ADEPT Live Labs 2

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## Setting the scene

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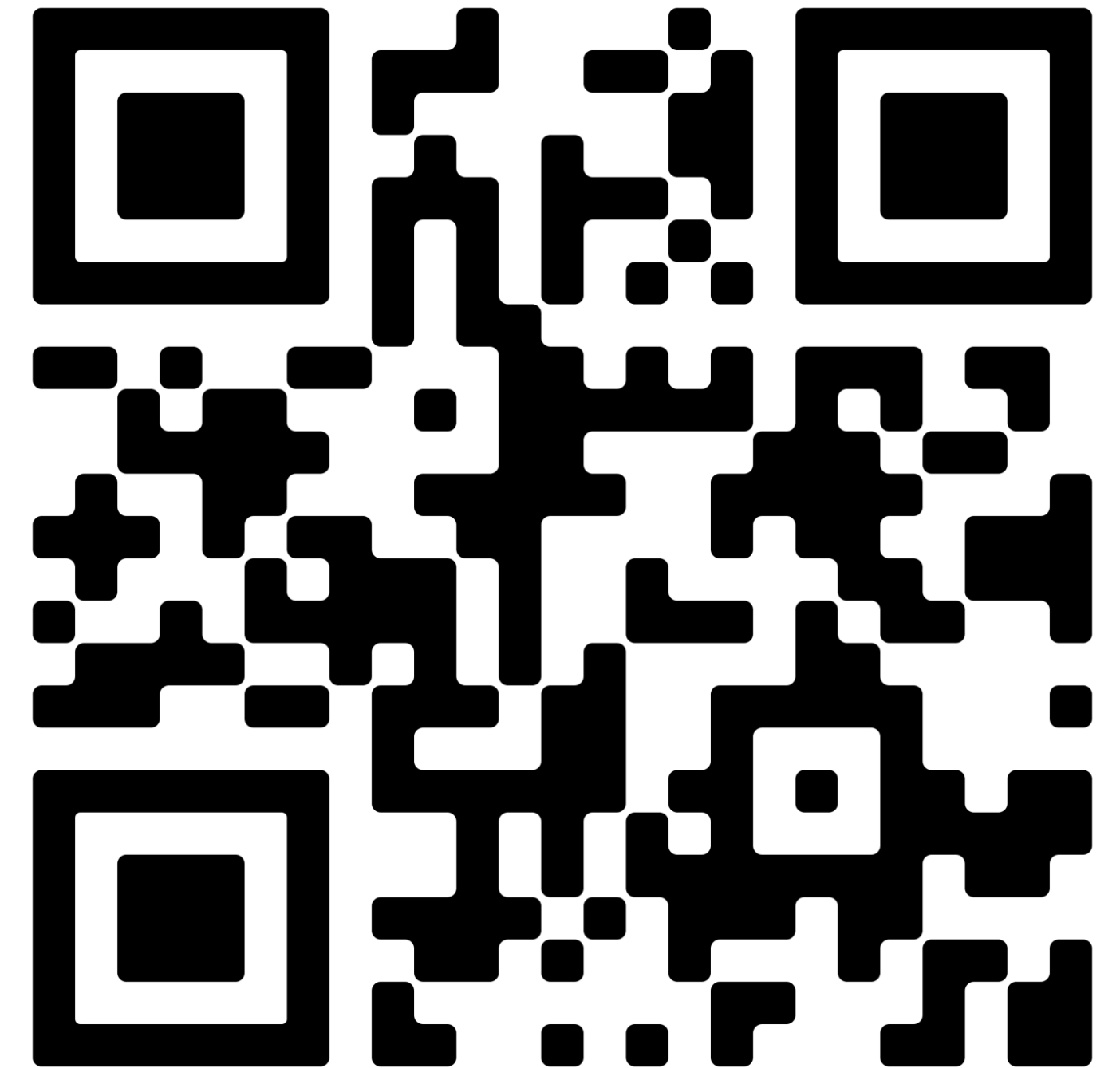
**LIVELABS2**  
Decarbonising Local Roads

The Government perspective: The importance of decarbonising our local road assets to support the transition to net zero infrastructure

**Rupert Furness**

*Deputy Director - Highways, Active Travel & Strategy*

Department for Transport



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## Setting the scene

A wider carbon view from the transport sector

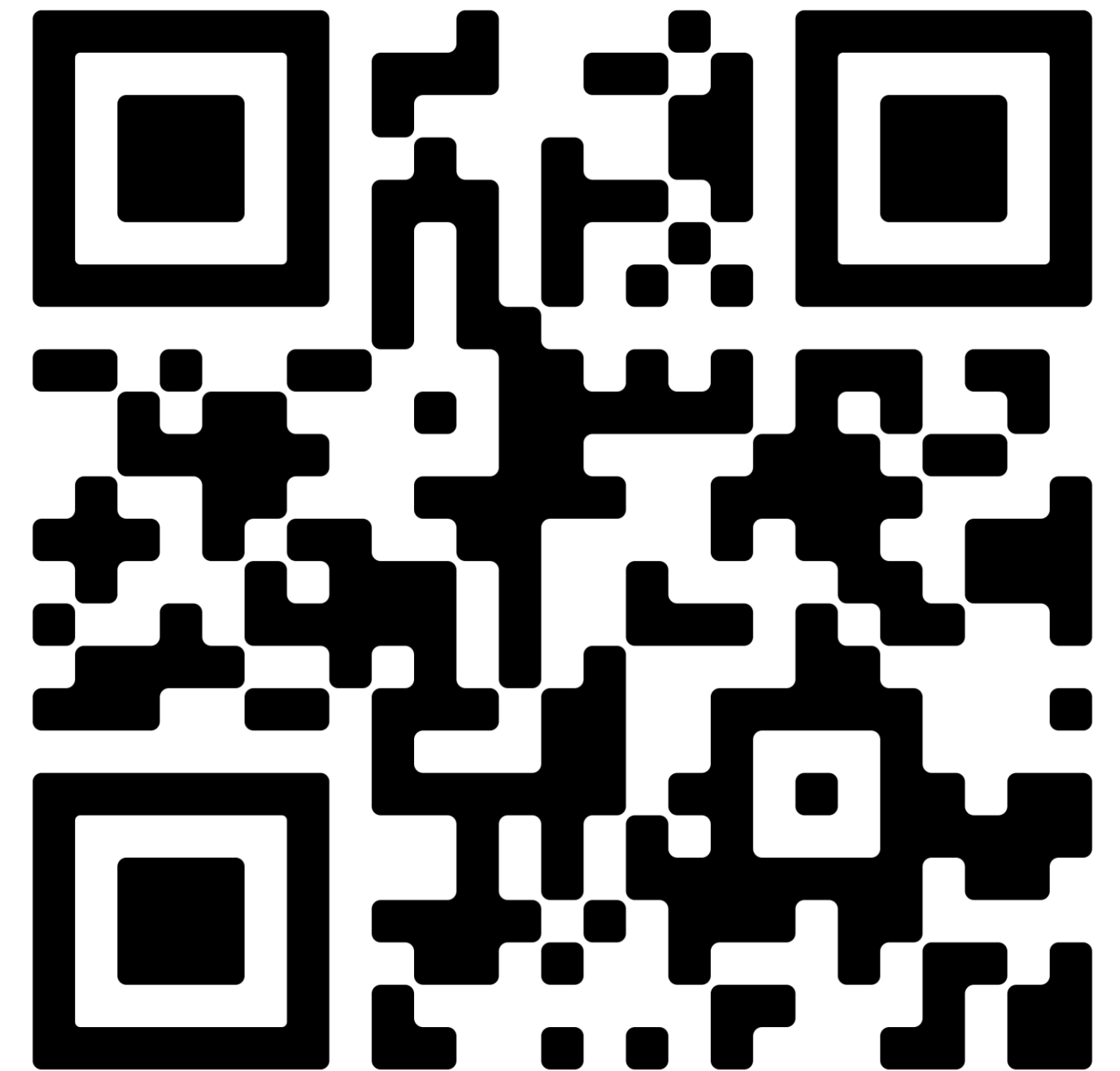
**David Riley**  
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# Net Zero – A Water Sector Perspective



**David Riley**

Head of Carbon Neutrality

[driley3@anglianwater.co.uk](mailto:driley3@anglianwater.co.uk)

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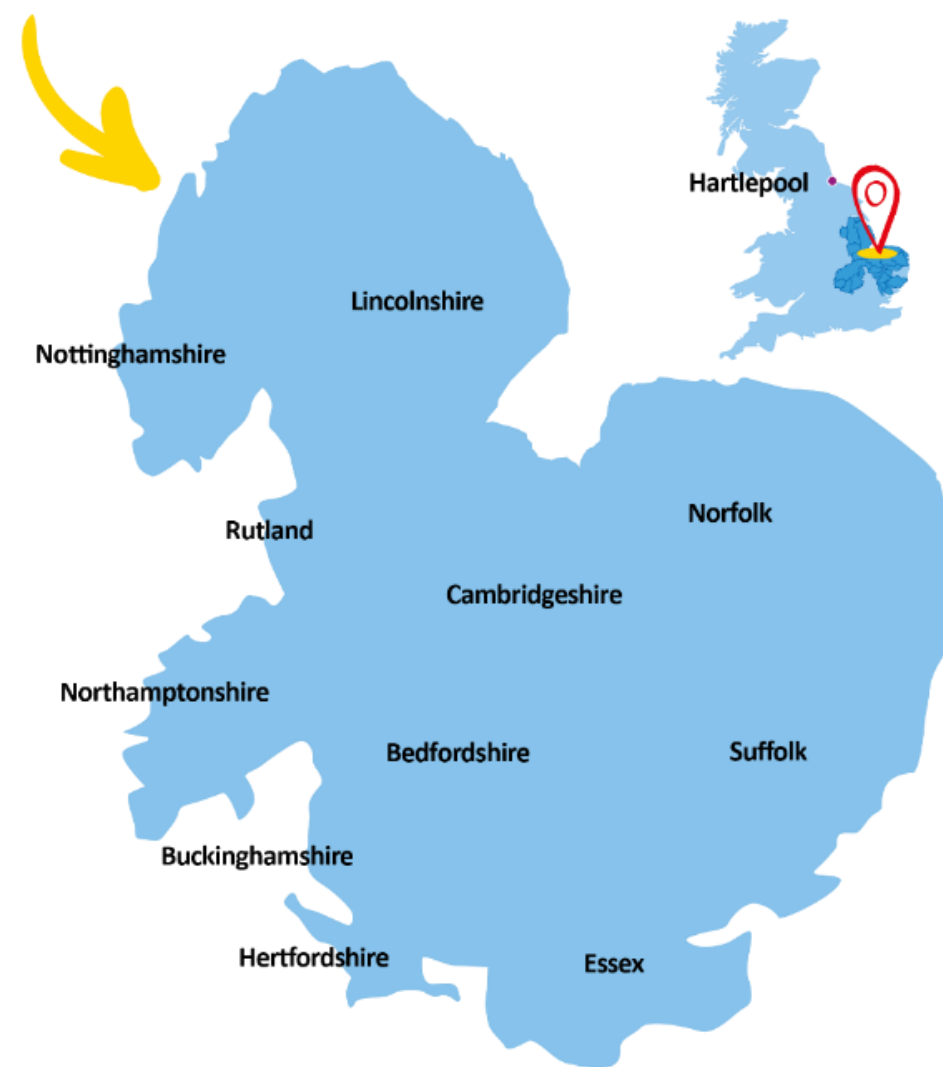
17<sup>th</sup> April 2024



Our Purpose: To bring environmental and social prosperity to the region we serve through our commitment to love every drop.



The **largest** water and water recycling company in England by geographic area



Serving almost

**7 million**

customers across the East of England and Hartlepool

The driest region in the UK with

**2/3**

of the national average rainfall each year



One of the UK's fastest-growing regions, projected to grow by

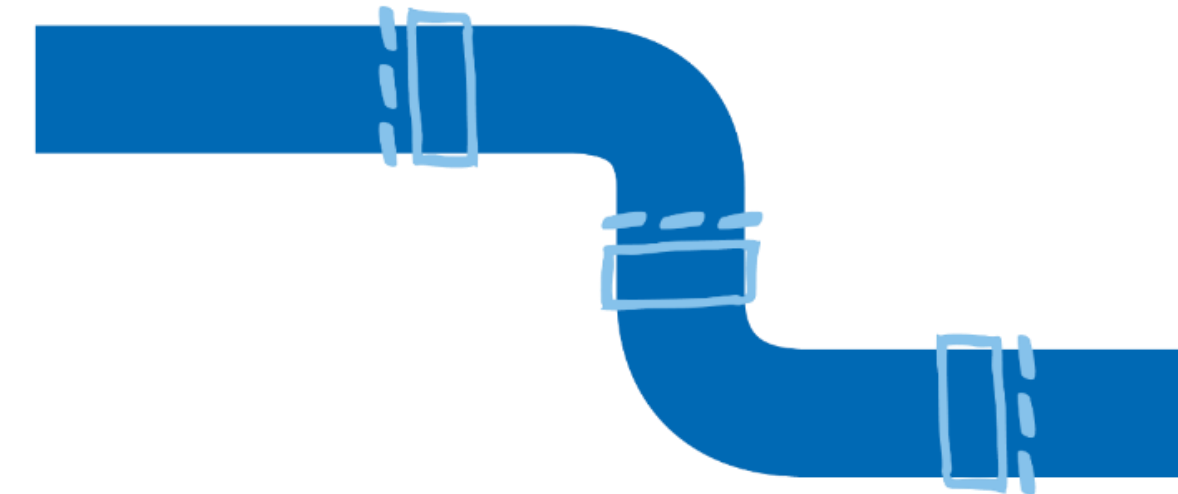
**175,000**

homes by 2025

Operating

**38,185km**

of water mains - laid end-to-end further than a trip to Sydney and back



Employing more than

**5,000**

people

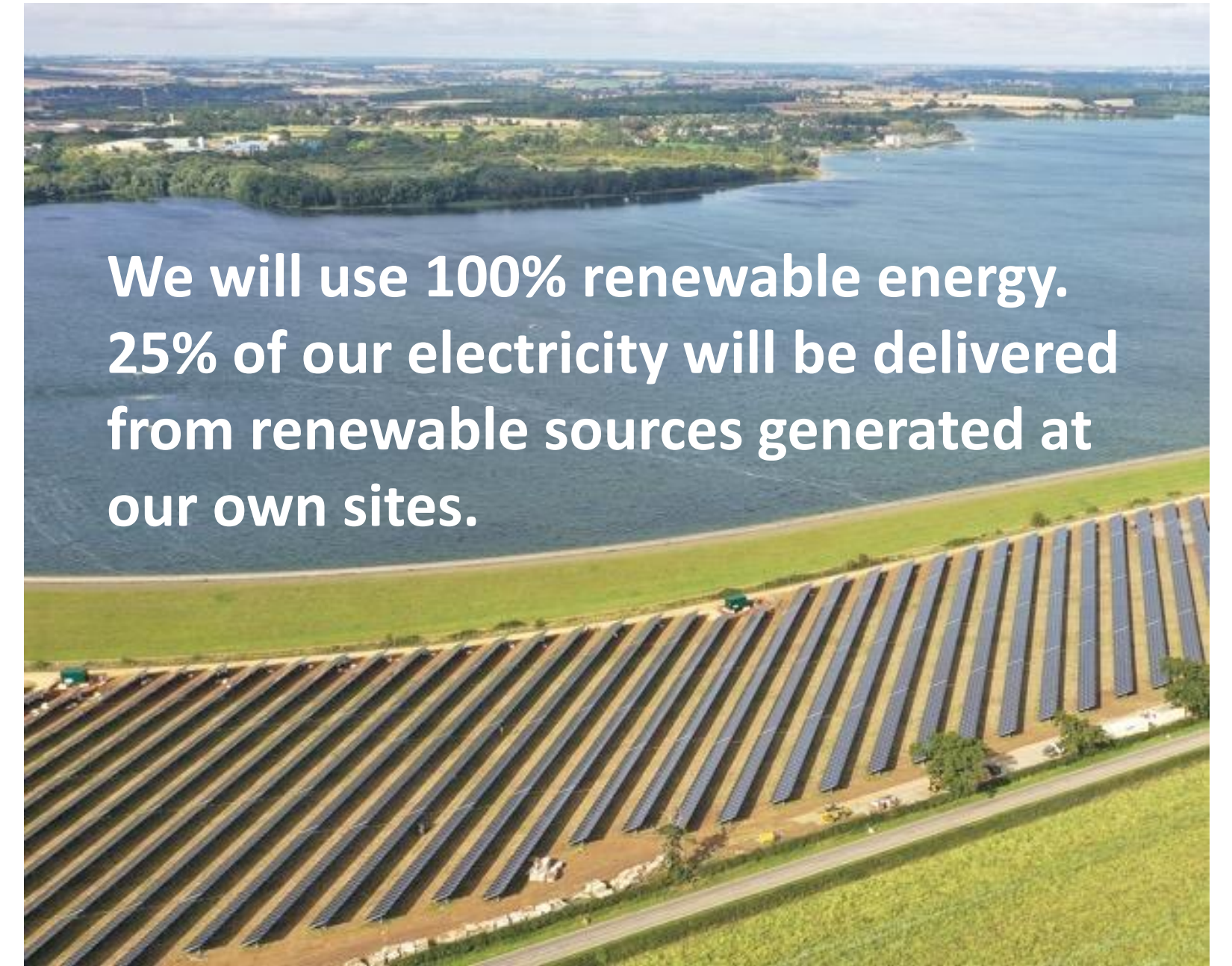
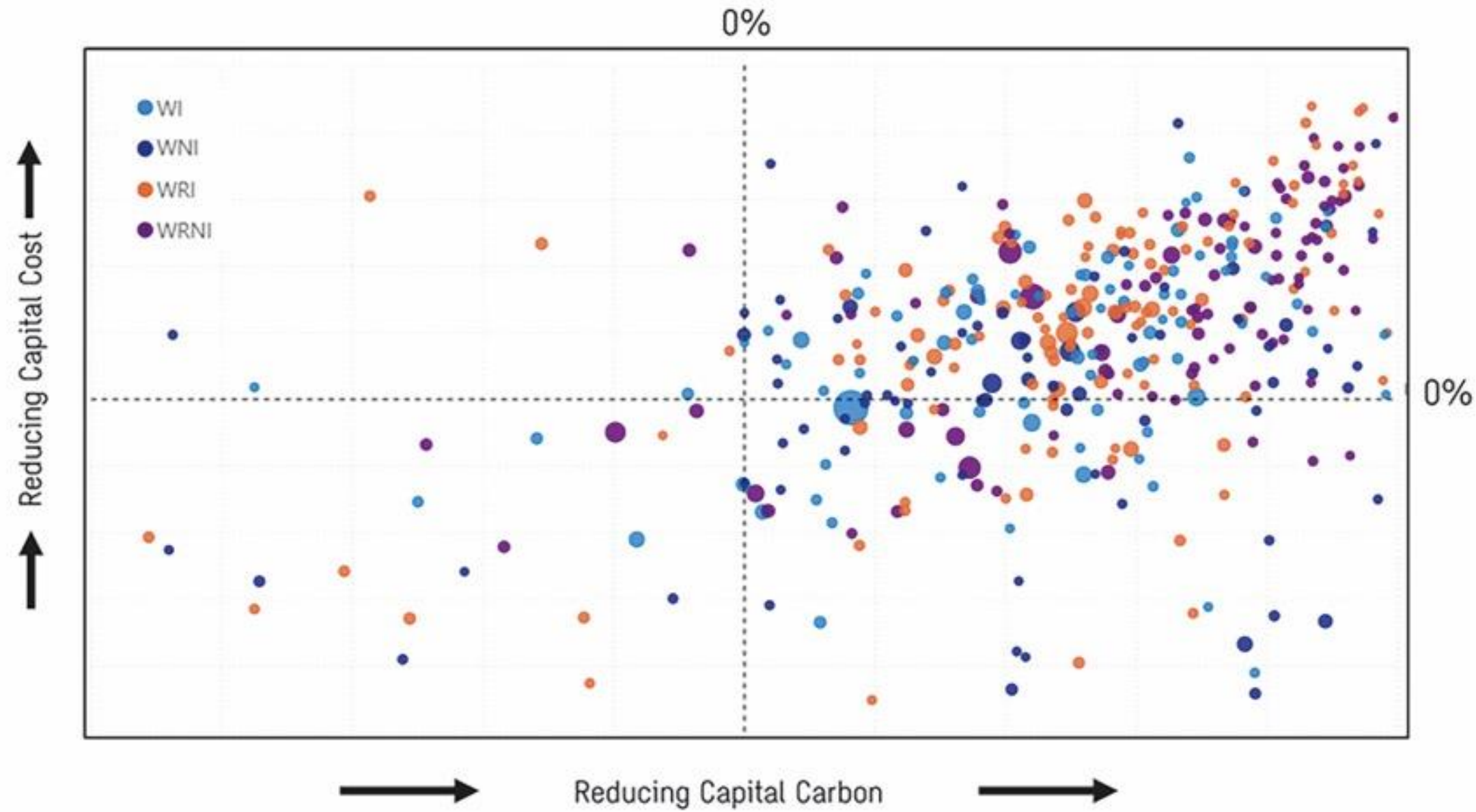
love every drop  
anglianwater





By 2030, be a net zero carbon business and reduce the carbon in building and maintaining our assets by 70%

### Addressing the challenges



We will use 100% renewable energy. 25% of our electricity will be delivered from renewable sources generated at our own sites.

### Our seven strategic pillars — net zero initiatives

Decarbonising our vehicle fleet

Maximising the value of our biogas

Renewable energy

Managing our process emissions

Developing our offsetting strategy

Opting for alternative fuels

Energy efficiency





By 2030, be a net zero carbon business and reduce the carbon in building and maintaining our assets by 70%



Our global leadership on net zero has enabled us to focus on eliminating waste and the root causes, leading to reduced chemical and energy use in our management of the water cycle

	Totex (£)	AMP8 Carbon Saving (t/CO2e)
G2G	28	37,481
Process	117	30,794
HGV	8	11,638
<b>Total</b>	<b>153</b>	<b>79,913</b>



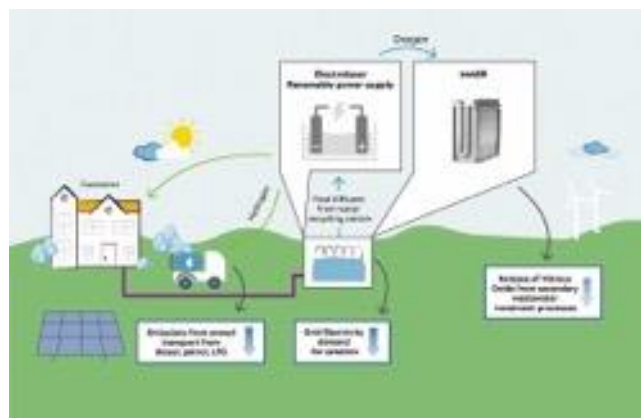
## Future

Whole life carbon/cost project



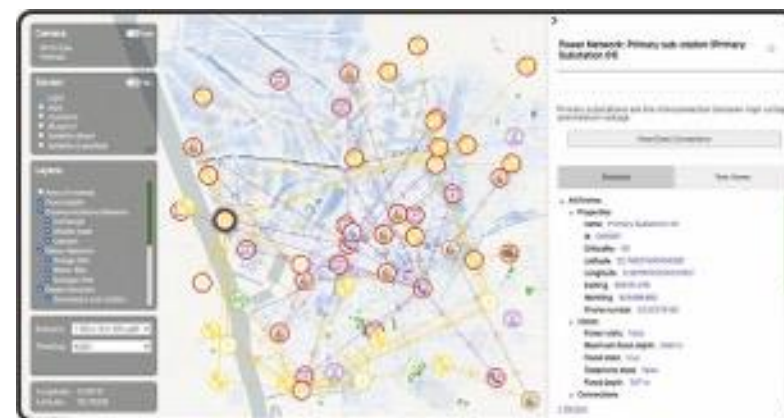
Digital

Triple carbon reduction



Hydrogen

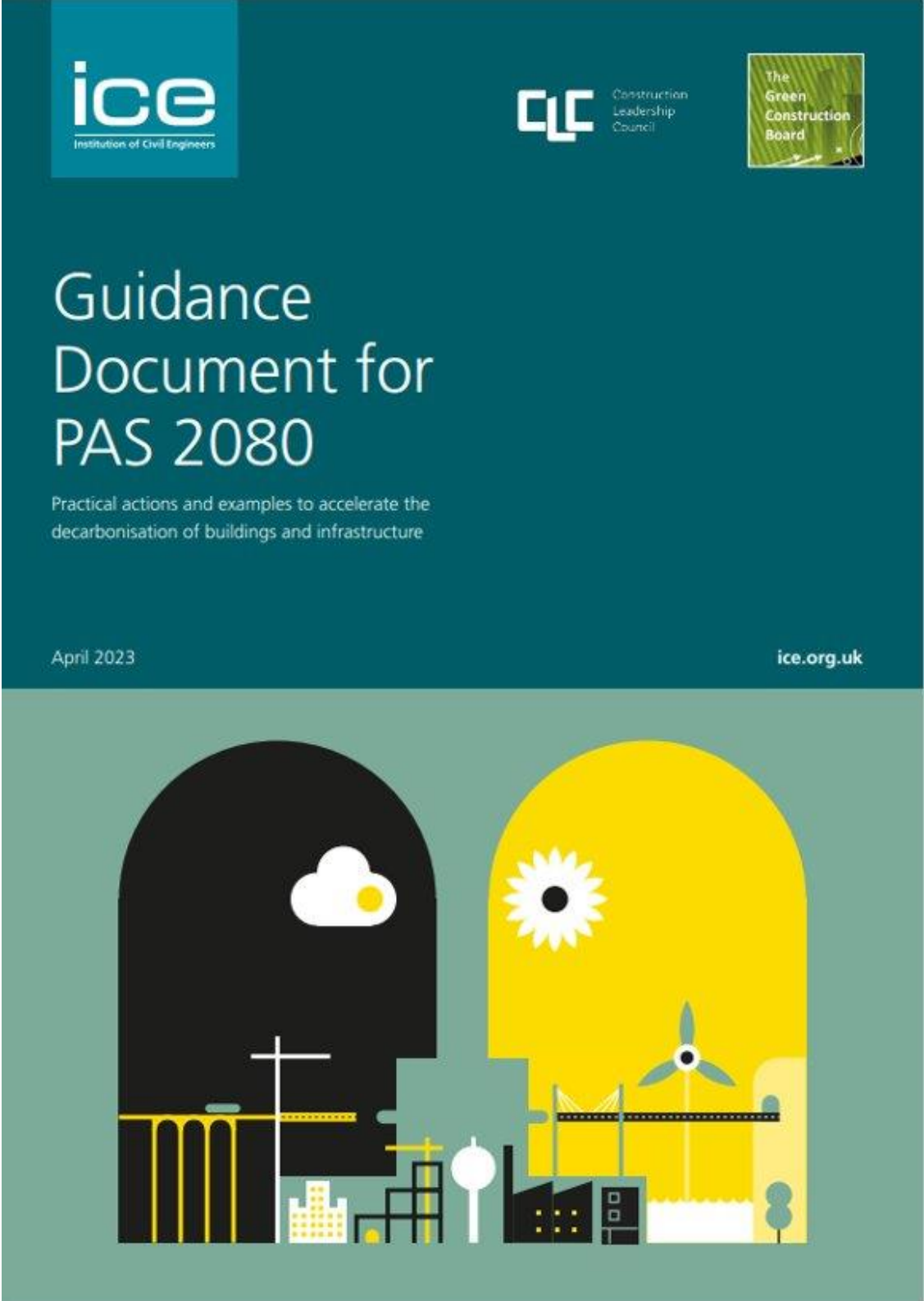
Climate adaptation



CReDo

# Methodologies

- PAS2080 Carbon Management in Buildings and Infrastructure



- Low Carbon Concrete Routemap





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## Setting the scene

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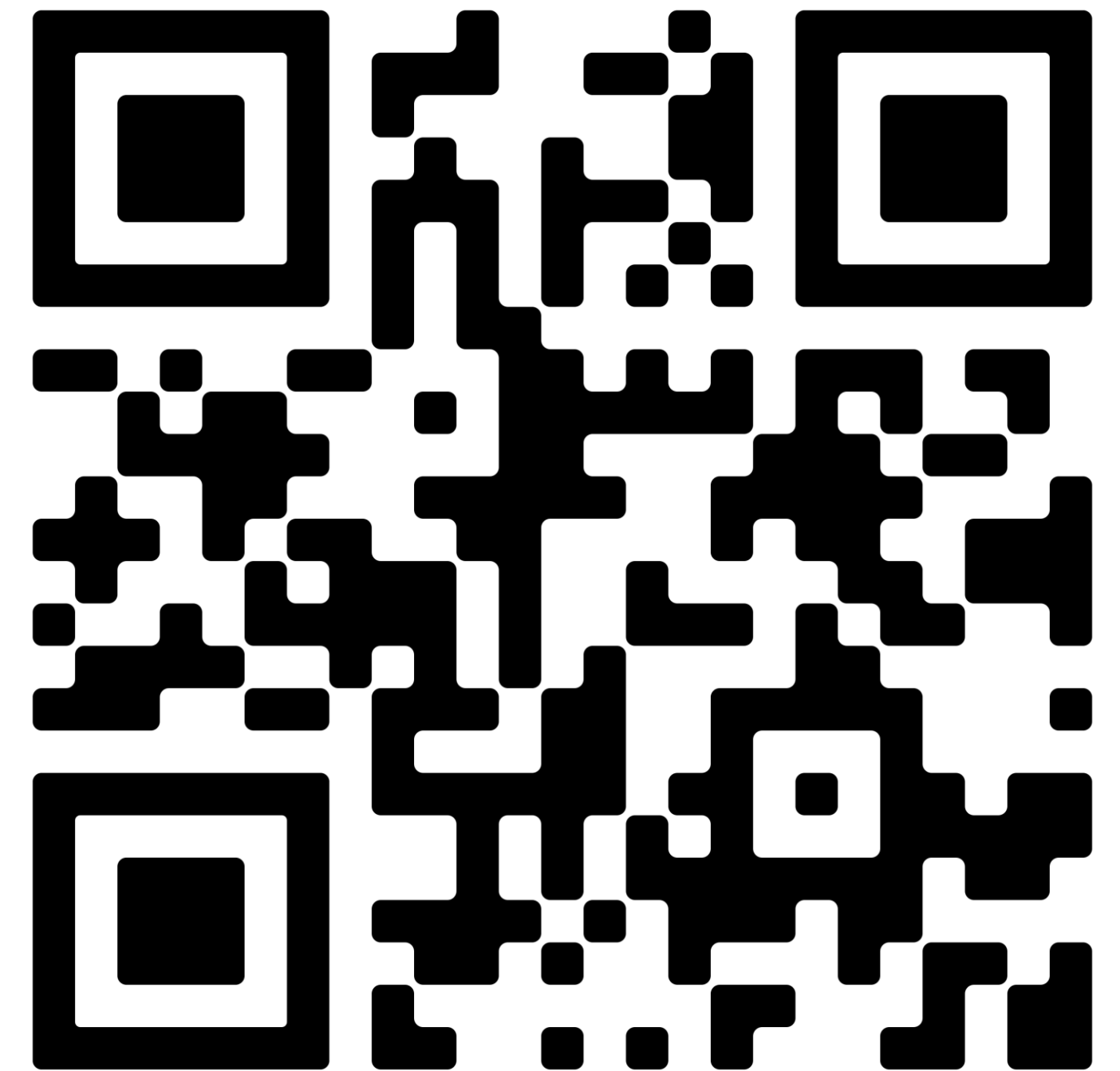
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Decarbonising Local Roads

Redefining roads: Broadening the UK's transport decarbonisation strategy

**Romain Pison**

*Director of Decarbonisation*

SYSTRA



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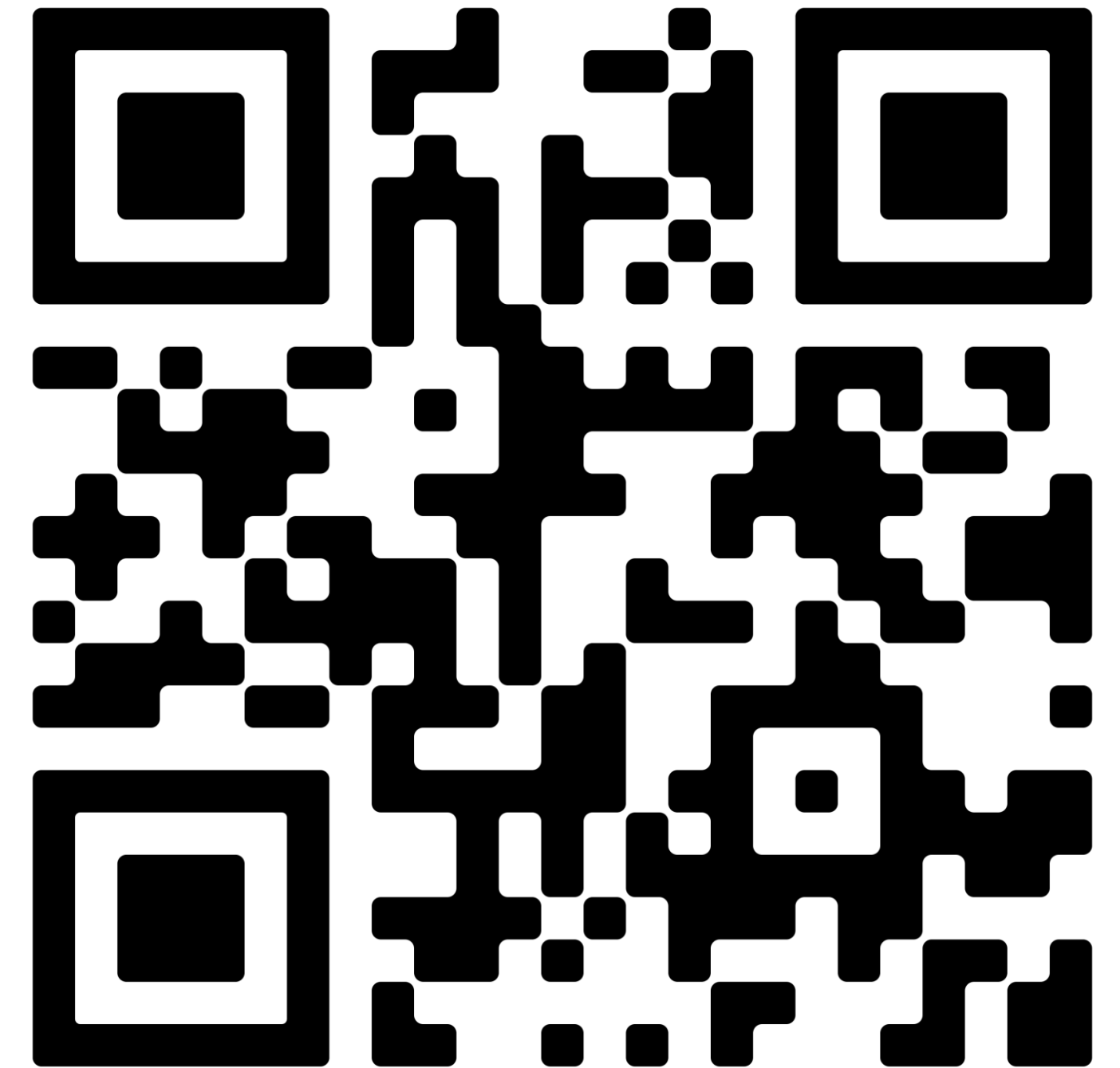
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**LIVELABS2**  
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Polls and questions around carbon challenges to start the day – climate change, political will, resources, skills

**Giles Perkins**  
*Programme Director*

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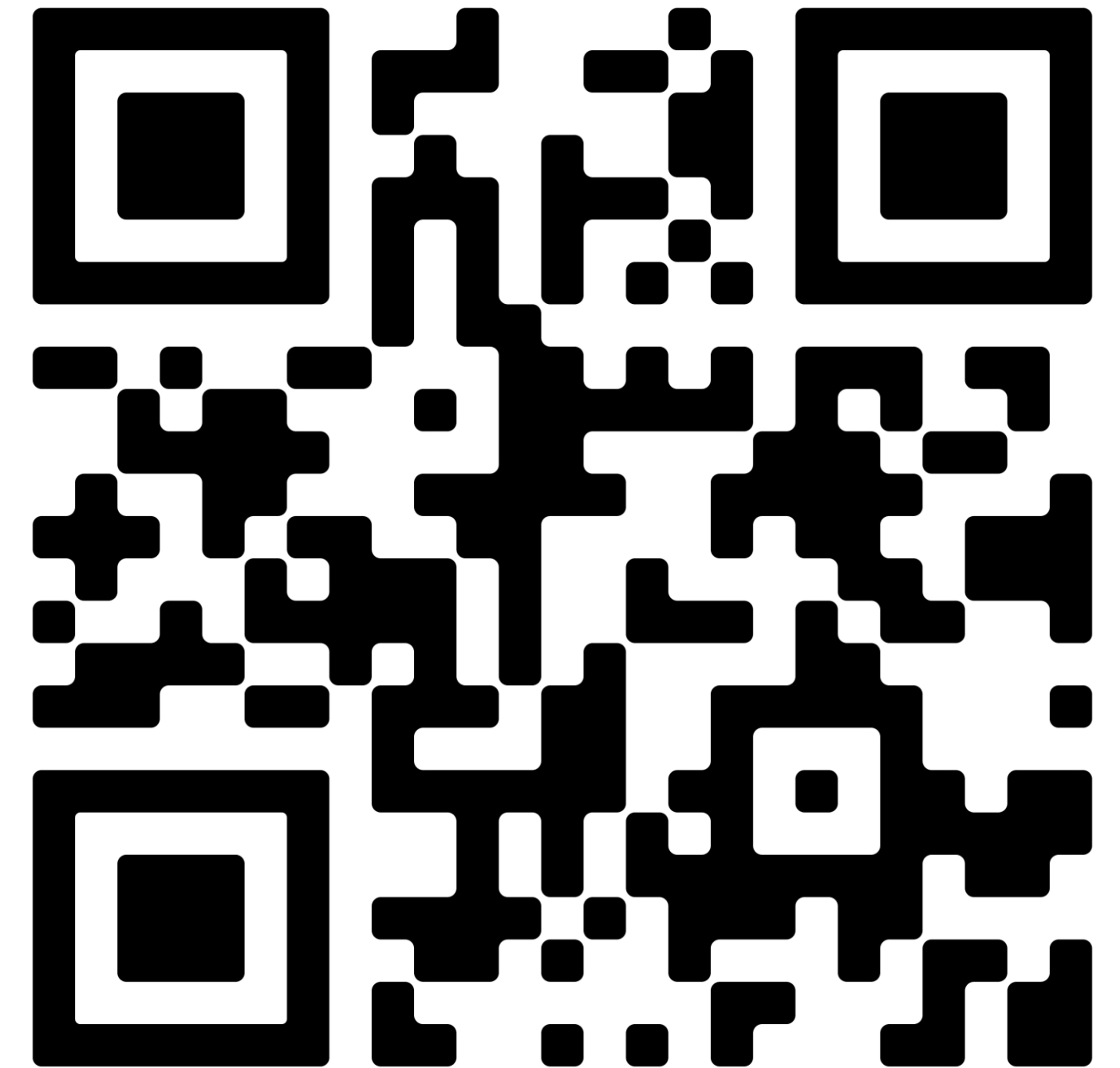
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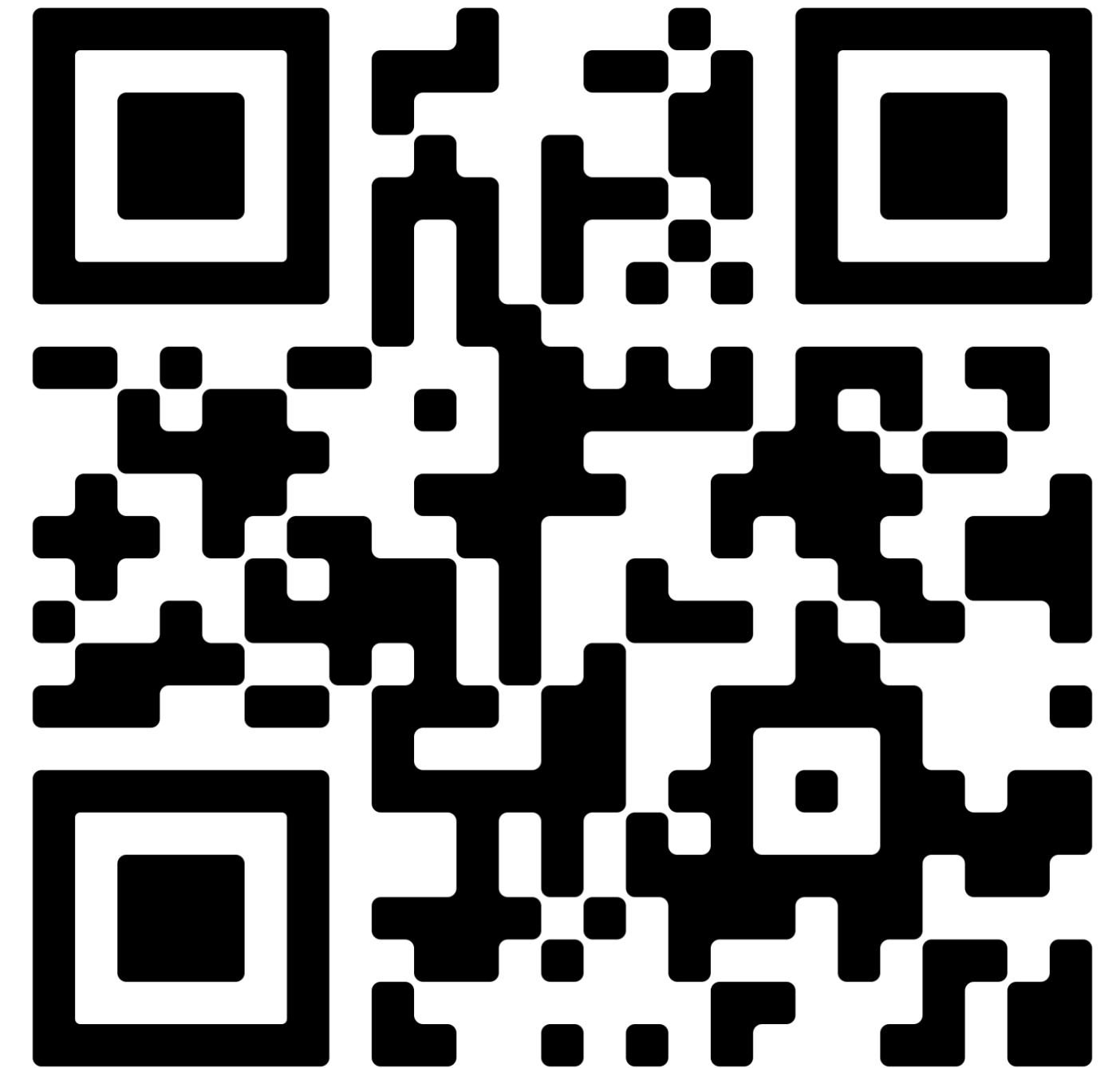
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