



Greater
South East
Net Zero Hub

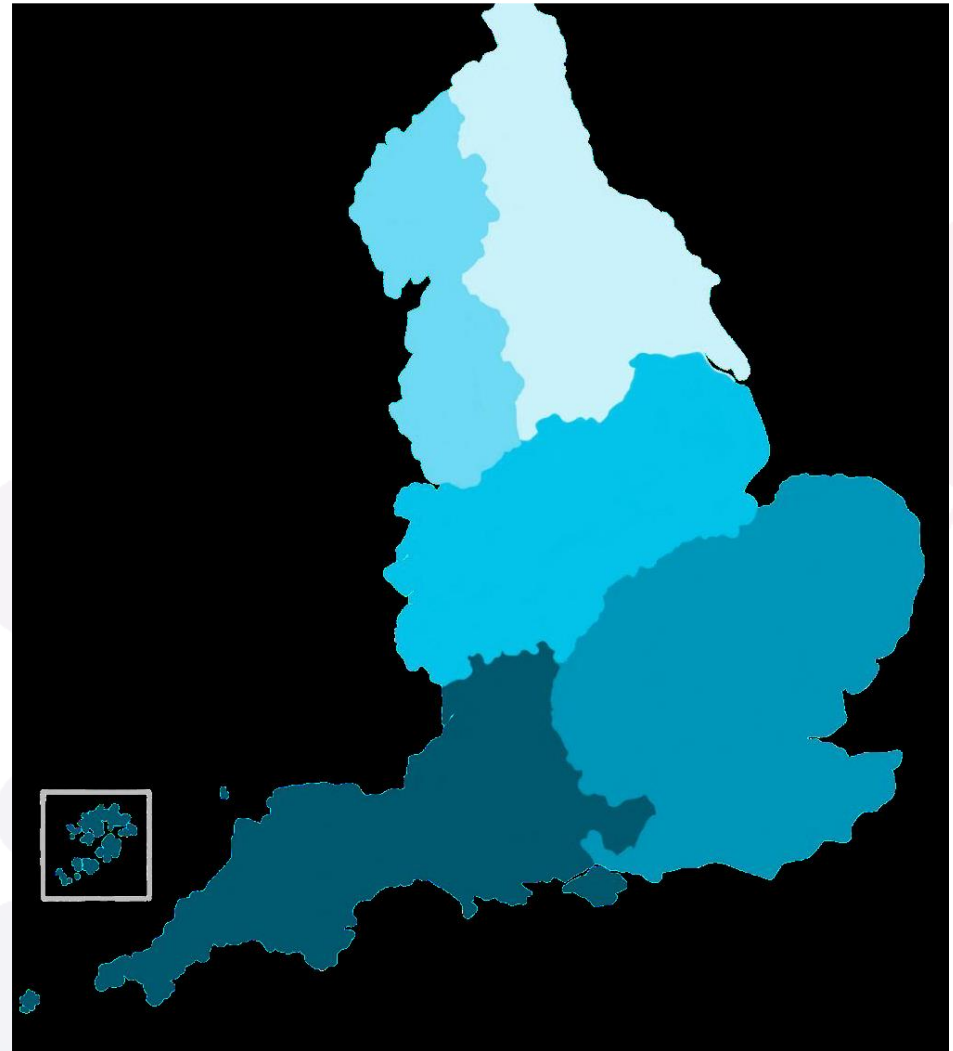
The Net Zero Hubs

How we support you

APSE Energy, Luton 2023

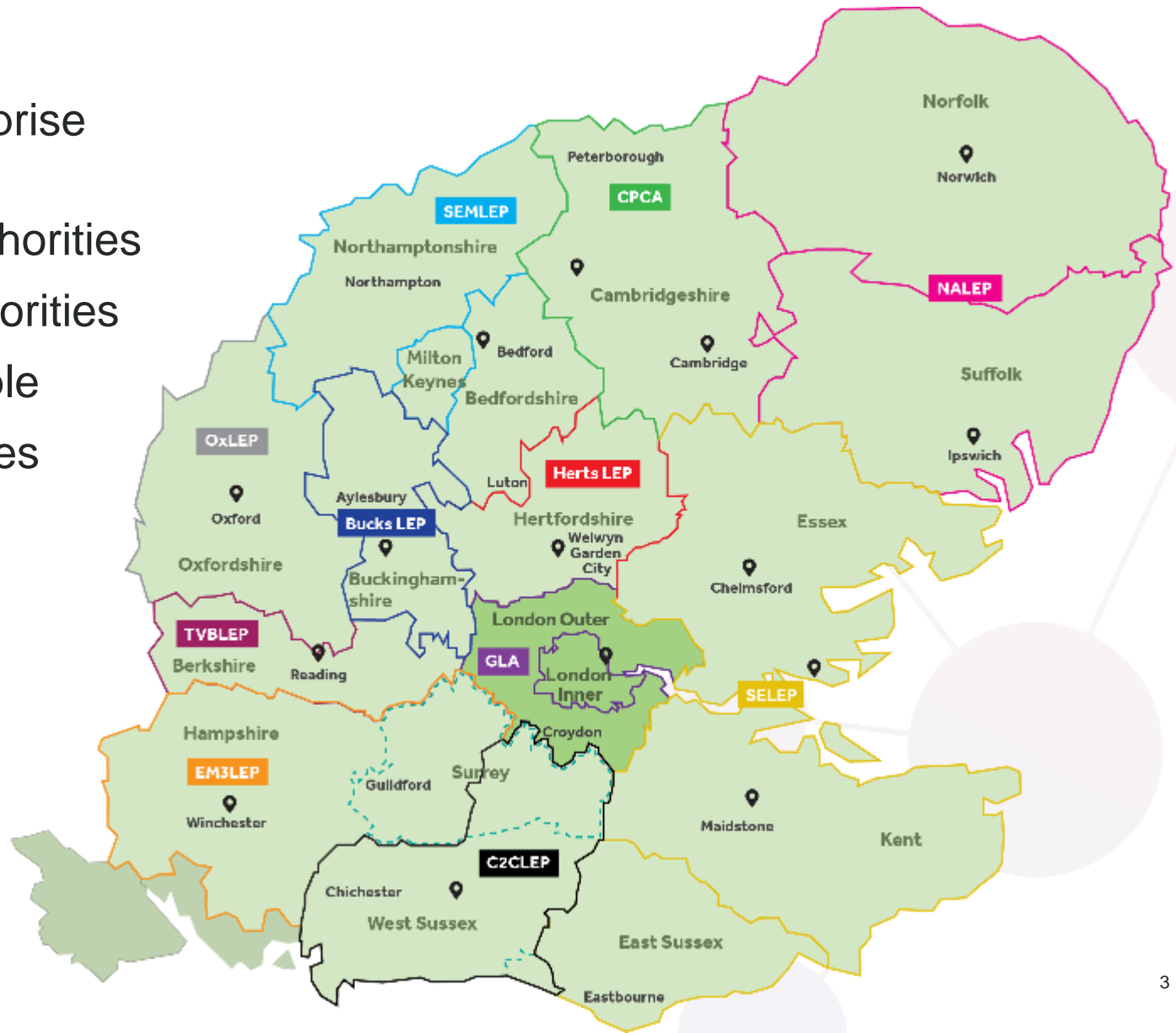
The Net Zero Hub programme

- Attract *commercial investment* by helping the public sector develop investable projects
- Increase the number, quality, and scale of *local Net Zero projects*
- *Develop and support* Net Zero programmes and initiatives
- Support *knowledge transfer*
- *Raise local awareness* of opportunities for and benefits of local Net Zero investment

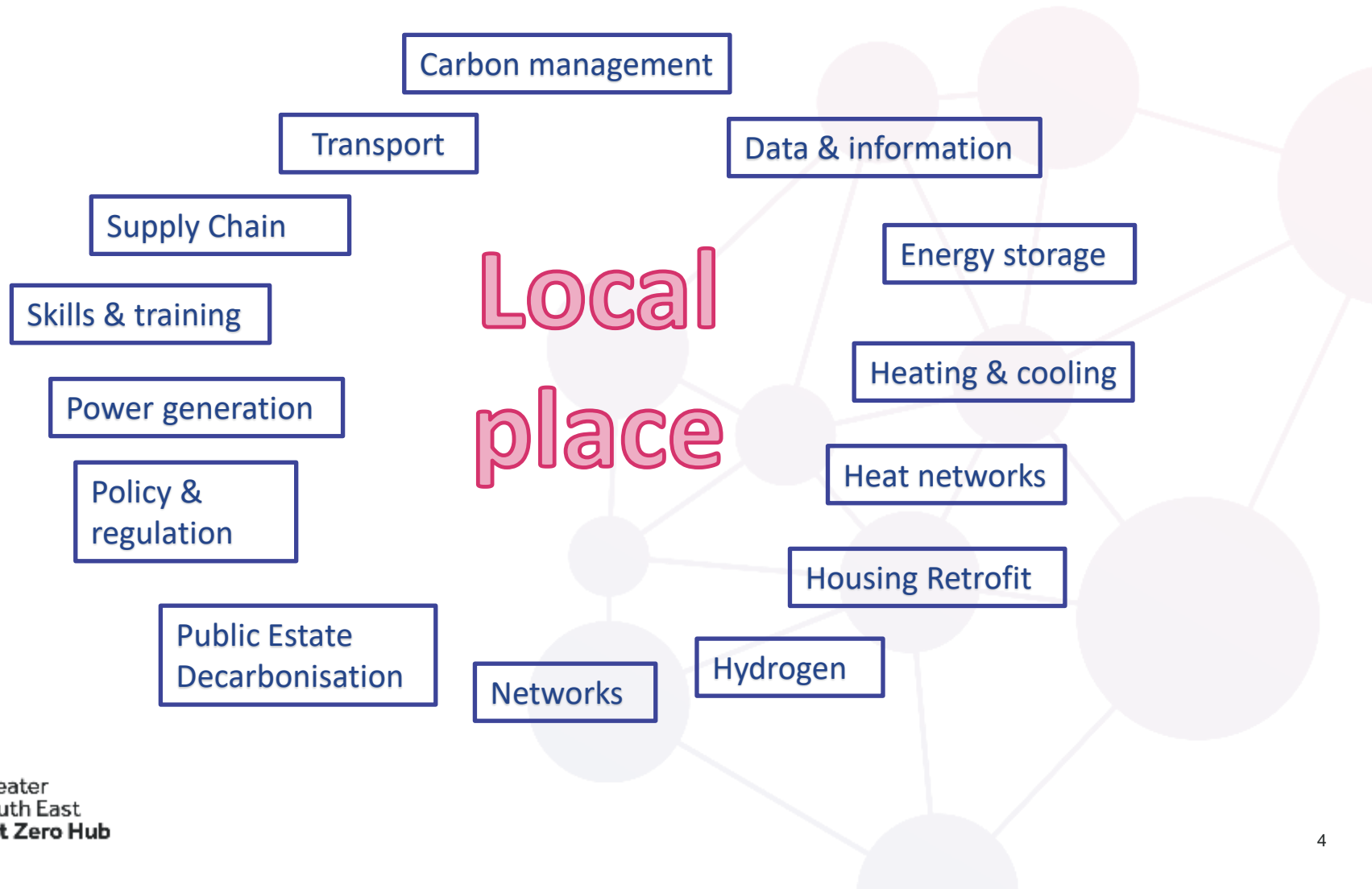


The Greater South East NZ Hub Region

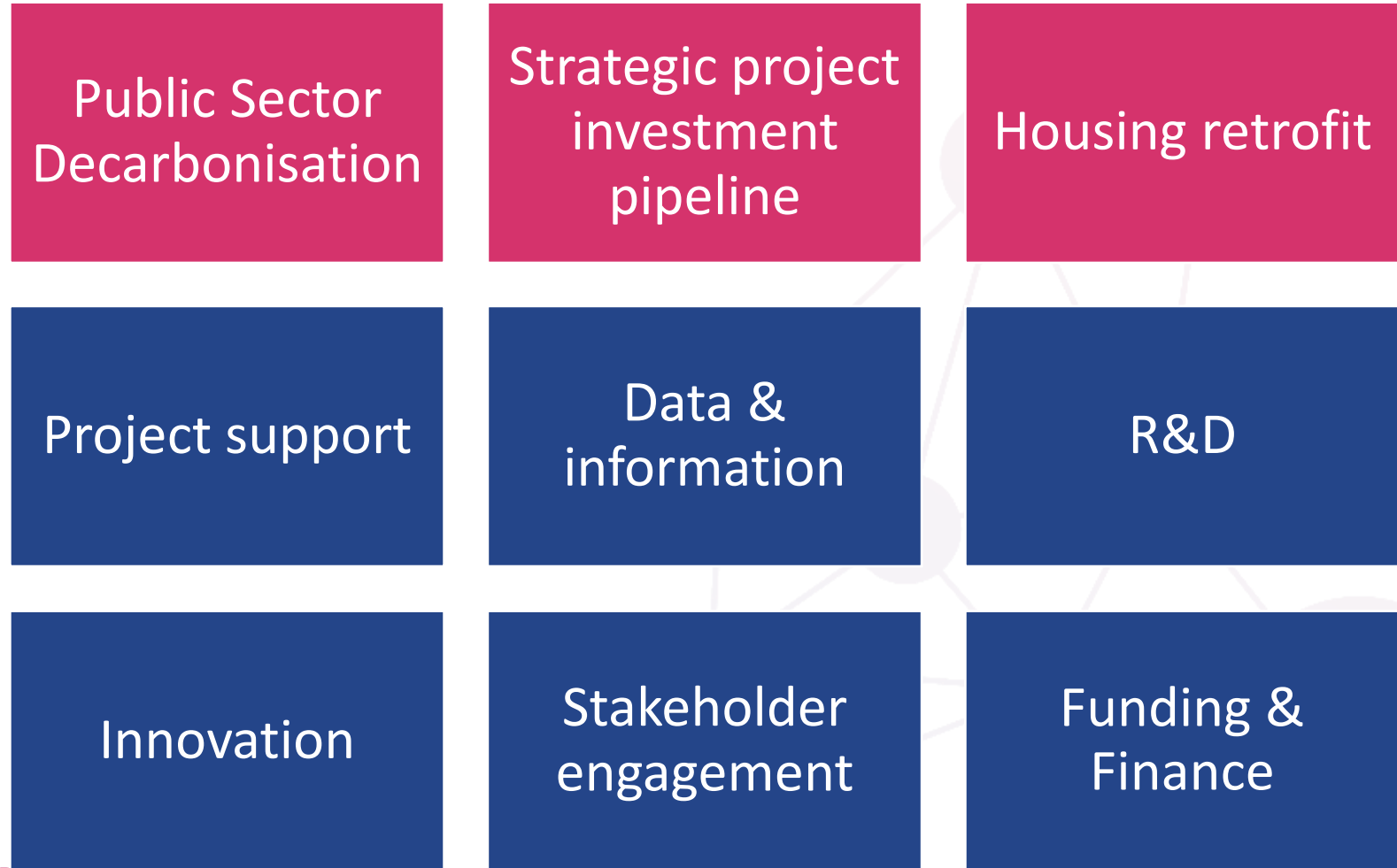
- 11 Local Enterprise Partnerships
- 2 devolved Authorities
- 142 Local Authorities
- 24 million people
- 10 million homes



Supporting the Net Zero journey



Our priority support areas



The Public sector estate



In the Greater South East:

- **8,359** public sector buildings
- **94%** of the buildings still require decarbonisation
- Only **9%** of buildings use onsite renewable sources for electricity
- There are 36 local authorities where less than **5%** of their buildings have some form of renewable energy
- Only **31%** of light fittings within schools are currently LED fittings

The bottom line - **£7.64 billion** to decarbonise

Public Estate decarbonisation in practice

| Public Sector Decarbonisation Scheme | Value | Projects |
|--------------------------------------|--------------|----------|
| Projects Supported | £178,635,574 | 122 |
| Projects Awarded Funding | £125,506,498 | 32 |

Babergh-Mid Suffolk Council - 4 leisure centres and a works depot. Solar PV and heat pumps.

East Sussex County Council six corporate buildings and a primary school. Heat pumps, solar PV, battery storage, and improved insulation.

Waverley Borough Council - upgrade to the Memorial Hall in Farnham. Solar PV and heat pump.

NHS East of England – public estate decarbonisation mapping – heat networks and solar PV opportunities



From left to right: Cllr Steve Williams and Cllr Mark Merryweather outside Farnham's Memorial Hall (Waverley Borough Council)



Aerial view of the solar carports at Kingfisher Leisure Centre in Sudbury. Babergh District Council/ Simon Watson Photography (Image: Babergh District Council/ Simon Watson Photography)

Transport decarbonisation



Decarbonisation of Large Engines

Technologies ranging from hydrogen to biomethane.

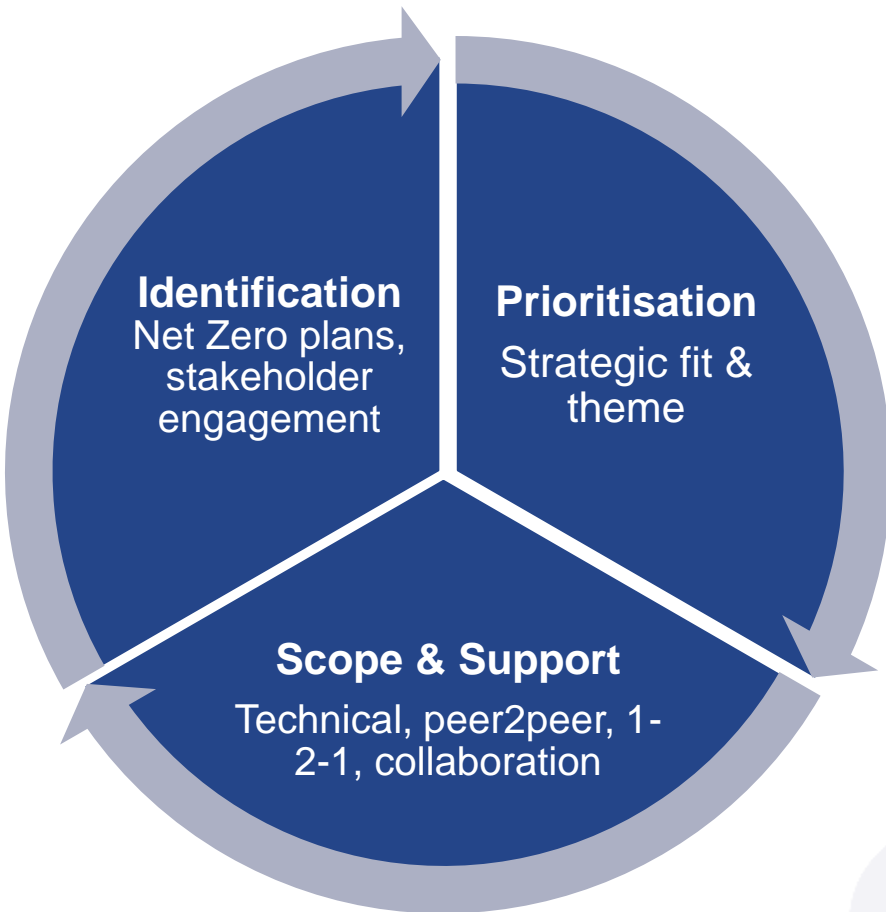


Zero emission fuelling infrastructure

Delivering vehicle fuelling systems for electric, hydrogen or biofuel powered fleets



Strategic project investment pipeline



The Hub provides support to:

- Heat led projects
- New development
- Public estate
- Overcoming grid constraints
- Energy generation & storage
- EV charging, Solar PV & storage
- Large engine decarbonisation
- Smart grids

Housing Retrofit

10 million homes in GSE to decarbonise by 2050

4.8m homes by 2030 - £23bn (to EPC Band C)

9.9m homes by 2050 - £150bn (Net Zero)

£75bn decarbonise heat

46,500 FTE/year = 100,000 workers (200,000 at peak)

Contracting & Delivery Partner

Scheme Delivery on behalf of LAs to fuel poor homes:

- 5,075 homes improved & £55million spent to date
- HUG2 target 2,500 off gas homes by March 2025

Supply chain & skills development

- Regional market intelligence study and skills needs assessment studies (2022)
- DPS for installers of insulation, clean heat and renewable energy – over 80 installers (available to all LAs in GSE)
- Greater South East Regional Training Network
- DESNZ funded regional skills pilots

Net Zero Go – information in one place

The screenshot shows the Net Zero Go website homepage. At the top, the browser address bar displays <https://www.netzerogo.org.uk/s/>. The website header includes the Net Zero Go logo (with 'with CASAPULT' text) and a navigation menu with links for Home, Project Knowledge, Business Cases, Funding, Procurement, and Policy. A search bar and 'Log In / Sign Up' button are also present. The main content area features a large banner with the text 'Welcome to Net Zero Go' and 'Take your local energy project further, faster all in one powerful platform'. Below this is a pink button that says 'UK Local Authorities - sign up here'. Further down, there are three lines of text: 'Find the tools and guidance to start your first energy project, build a successful business case, and deliver a portfolio of local energy projects.', 'Visit our Knowledge Library for a guest preview of selected publicly-available resources.', and 'Or register using the link above for the full suite of features, including Projects & collaboration Forums.' Below this is a carousel slide titled 'BUSINESS case support' with a sub-headline 'Cost finding, responses and tenders that help you communicate your ideas to stakeholders.' To the right of the carousel is a section titled 'Recent Knowledge Updates - July 2023' with four items: '100% Open', '100% Open Innovation Toolkit', 'United Nations', and 'Office for National Statistics (ONS)'. Each item has a brief description and a link.



Greater South East Net Zero Hub



Department for
Business, Energy
& Industrial Strategy

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LOCAL ENTERPRISE
PARTNERSHIP

01494 433333 | www.bepartnership.co.uk



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