

Midlands Net Zero Hub

Local Energy Projects - How the Midlands Net Zero Hub Takes
a systemic approach to Net Zero

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What is the Midlands Net Zero Hub?

- We make net zero projects happen!
- Created and funded by the Department for Energy Security and Net Zero
- Hosted by Nottingham City Council
- Part of a network of five Local Net Zero Hubs across England

Our aims



Increase the number, quality, and scale of local projects being delivered



Raise awareness of the opportunities and benefits of local projects



Enable local areas to attract public or private finance for projects



Support co-ordination and collaboration between partners

Geographical area

The Midlands Net Zero Hub covers the following sub-regions:

- The Black Country
- Coventry and Warwickshire
- Derbyshire and Nottinghamshire
- Greater Birmingham and Solihull
- Greater Lincolnshire
- Leicestershire
- The Marches
- Stoke and Staffordshire
- Worcestershire



Local Capacity Support

The Local Net Zero Hubs work with public sector organisations and community groups by providing free strategic and technical support.

We work on projects from the earliest phases of feasibility to investment and delivery.

Local capacity support in numbers*:

- 75 live projects
- 35 completed projects
- £61m of private investment secured.
- 1m tCO₂e - estimated lifetime emissions saved

*Figures from April 2024

Our programmes

Regional support

Local Capacity Support

Public Sector Decarbonisation

Low Carbon Skills Fund

Community Energy Fund

Domestic retrofit

Warm Homes

Local Authority Delivery

Social Housing Decarbonisation Fund

Home Upgrade Grant

Local Energy Advice Demonstrator

Private Rented Sector Minimum Energy Efficiency Standards Enforcement

Skills

Green Homes Grant Skills Training

Home Decarbonisation Skills Training

Heat Training Grant

Regional Skills Pilot

£420m
secured for
Net Zero
projects



30,000+
green skills courses
completed across England



35
community groups
supported with
feasibility studies

22
bids enabled by
Public Sector
Decarbonisation team



10,000+
homes
retrofitted
across the Midlands

£340m
project pipeline

Midlands Net Zero Hub

Assistance - Building Decarbonisation

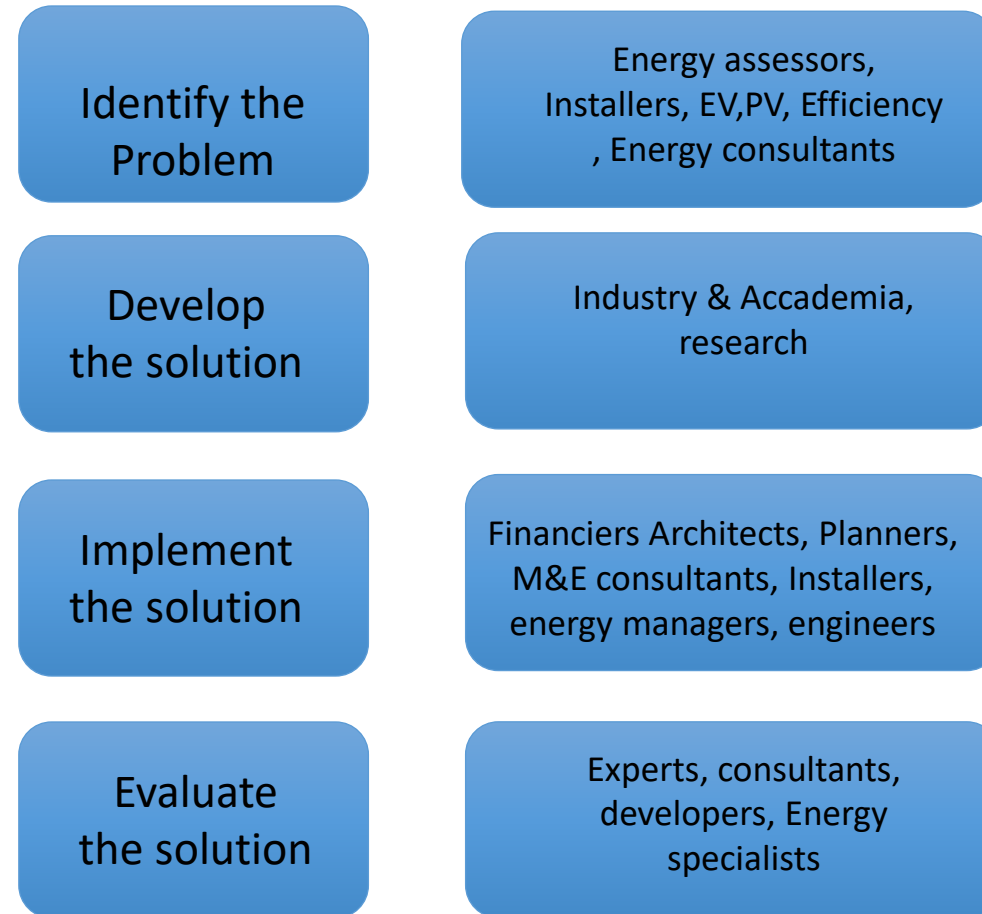
- The Midlands net Zero Hub (MNZH) has assisted Local Authorities (LA's) with the decarbonisation of buildings in the following ways:
 - **Bills analysis and pre-feasibility work**
 - **Energy modelling – effects of measures**
 - **Initial costings**
 - **Prioritising buildings in a project pipeline**
 - **Technical advice**
 - **Help with Grant applications for studies or capital works**
 - **Developing a brief and assisting with tender documents**
 - **Scoring Tenders**
 - **Support as part of the project delivery team.**
 - **Access to dedicated Public Sector Decarbonisation Team**

Midlands Net Zero Hub - Assistance Heat Networks

The Midlands net Zero Hub (MNZH) has assisted Local Authorities (LA's) with the development of heat networks in the following ways:

- **Pre-feasibility work**
- **Stakeholder engagement**
- **Initial heat load and cost estimations**
- **Technical advice**
- **Support with grant applications**
- **Developing Tender documents**
- **Scoring Tenders**
- **Working with consultants delivering studies as part of the project team**

Working on the problem – working with stakeholders to deliver net zero



The Low Carbon Economy Goods & Services Study (LCEGS)

Midland Energy Hub Regional Report

Low Carbon Environmental Goods and Services Market Snapshot

Midlands Energy Hub
2017/18 to 2019/20

Final Report March 2021
kMatrix Data Services Ltd



Commissioned by The Midlands Energy Hub
in 2019 / 20

- Provides an evidence base supporting training needs analysis on a County / CA/ region level

Currently being refreshed



Skills Forecast

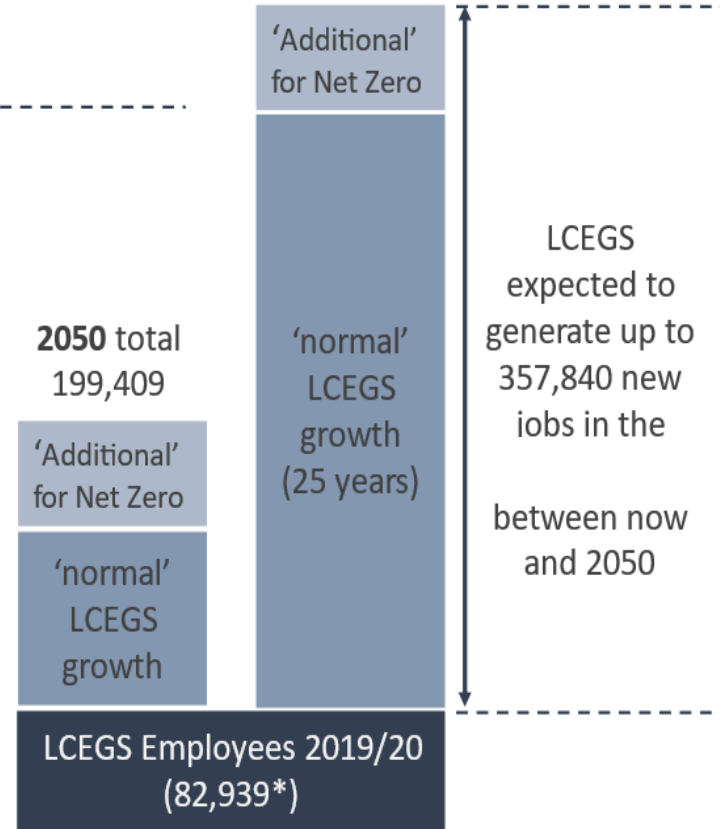
2030 regional net zero targets

Forecast LCEGS employment ranges between:
101,172 - 157,940



2050 regional net zero targets

Forecast LCEGS employment ranges between:
199,409 – 438,779



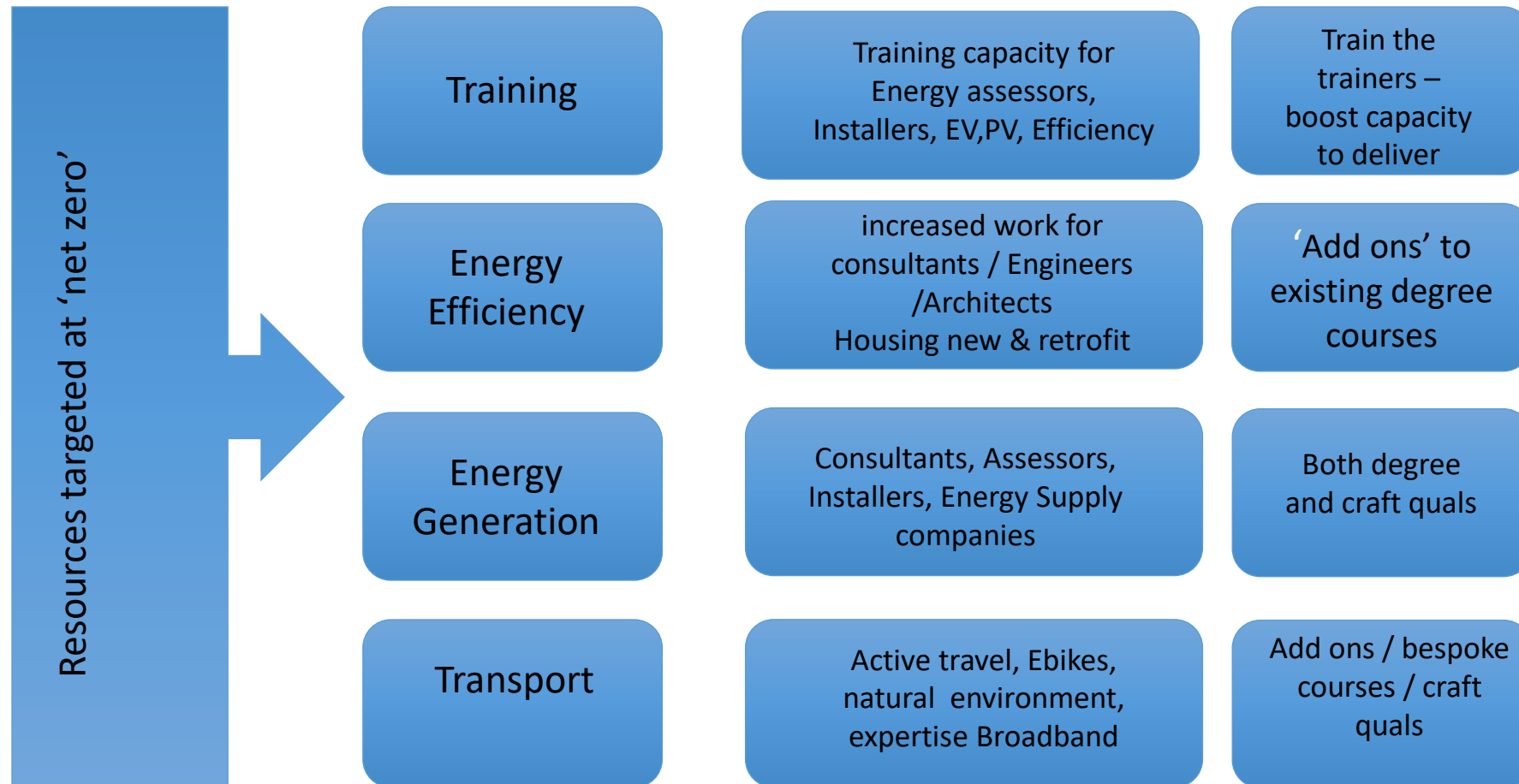
2050 total
 438,779

'Additional' for Net Zero

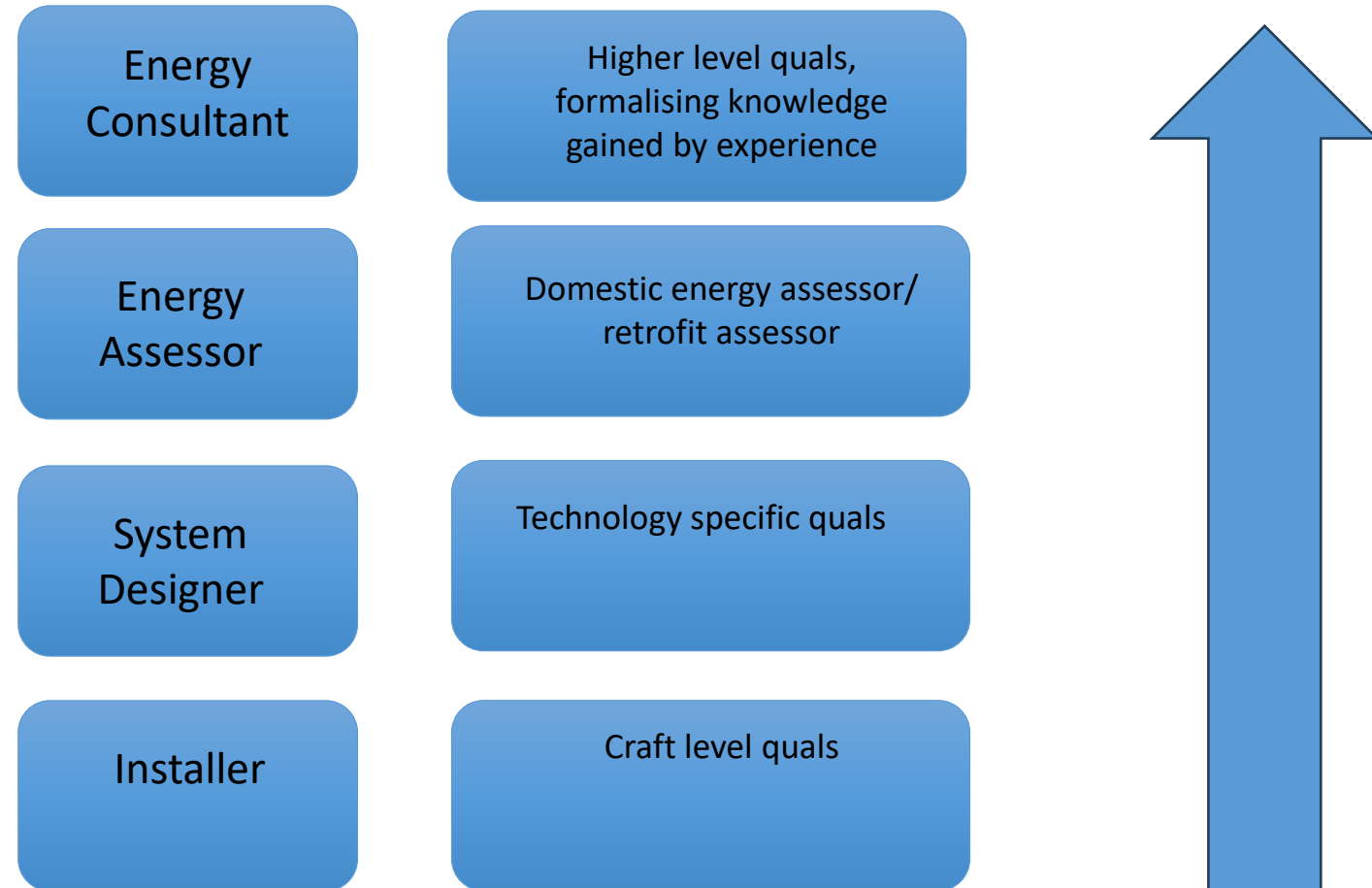
'normal' LCEGS growth (25 years)

*Lower value than sector total due to some employees in Micro and SMEs being difficult to allocate to SOC codes. LCEGS sector = high proportion of Micro and SMEs.

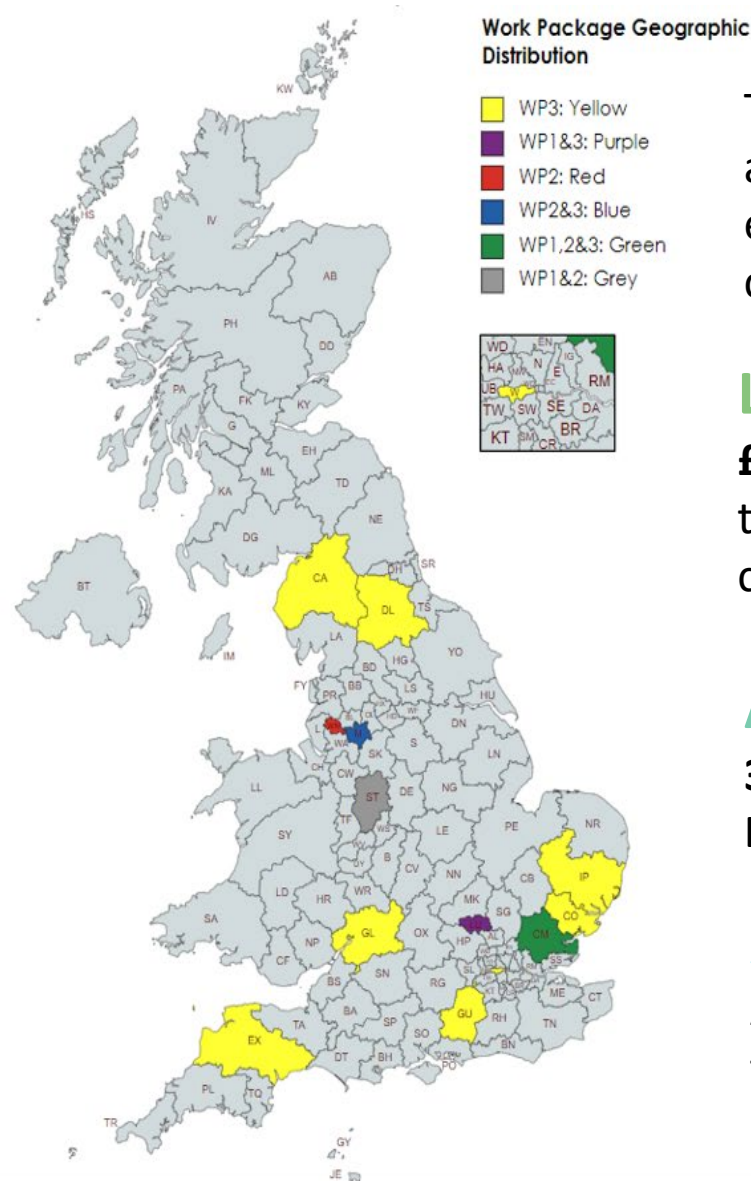
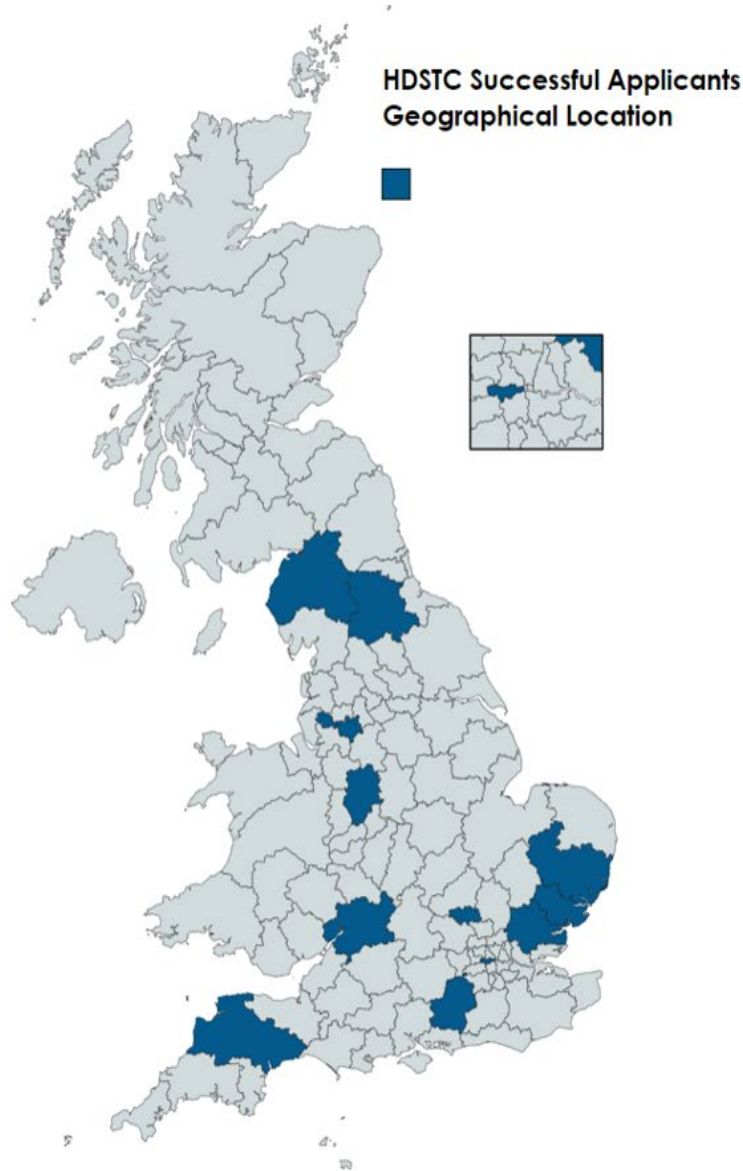
Levering the economy to deliver net zero



Giving people a career path in our sector



Home Decarbonisation Skills Training Competition phase 1



To achieve the **2050 Net Zero** target, we need about **400,000** new workers in the green energy sector. HDSTC is making significant contribution to that workforce opportunity.

Launch

£9.2m government grant funding approved to train and retrain people looking to start a career in the **green energy sector**.

Application

33 applications came in from across England, and **18 winners**.

Awarding

Approximately **9,000** training courses in the green energy sector were delivered across England between January and August 2023

Heat Training Grant: Heat Network Competition

- Training conducted in England, with any classroom training delivered in England.
- The training providers must state the professional bodies to which they belong, detailing the accreditations and qualifications essential to training delivery of relevant training.
- The training providers must have previously delivered vocational courses in either/ construction, energy efficiency, installation of low carbon technologies, or energy assessment or other courses relevant to heat networks.
- New Training Themes
 - 1: Heat Network Feasibility & Design
 - 2: Heat Network Construction
 - 3: Heat Networks Operation and Maintenance
 - 4: Heat Networks Metering & Billing and Data Collection
 - 5: Local Authorities and developers



Quantitative Highlights HDSTC phase 1

Over **9,000**
trainings courses
started across the
country

Over **5,000**
candidates qualified
in Home
Decarbonisation
training skills across
the country

3,500
Candidates qualified
in Heat Pump design
and installation

Up to **1,100**
candidates trained in
retrofit assessor and
retrofit coordinator
skills

All retrofit
assessor and
coordinator skills
under **PAS 2035**
standard

Quantitative Highlights HDSTC phase 2

Over **18**
Trainings Providers
awarded for this
round of funding
across the country

Over **3,600**
candidates expected
to deliver Retrofit
Assessor and Retrofit
Coordinator courses

7,300
Candidates to be
certified for an
Insulation training
opportunity

Up to **£8.5M**
allocated for the
remaining of this
Financial year

Additional
opportunities for
training under
the **Heat Training
Grant**

Heat Training Grant for Heat Pumps

- Addressing the Heat Network skills gap, aimed at supporting 9,000 low carbon heating installers this financial year.
- Support to be an ongoing scheme for 2 years.
- Heating engineers are receiving now grants of up to **£500** towards training costs, creating new green jobs, and helping to future-proof the heating industry.
- Aimed to demonstrate governments' commitment to provide more help to kickstart the heat pump installer base and meeting its heat pump installation targets.
- **45** Training Providers grant of up to £500 will cover most of the costs of a level 3 heat pump training course, whilst manufacturing members may offer additional discounts to participating trainees



£2,990,000.00

Delivery Fund

£2,336,500

Delivered Funds

5,980

Total Vouchers

HTGHP SUMMARY

4673

Delivered Vouchers

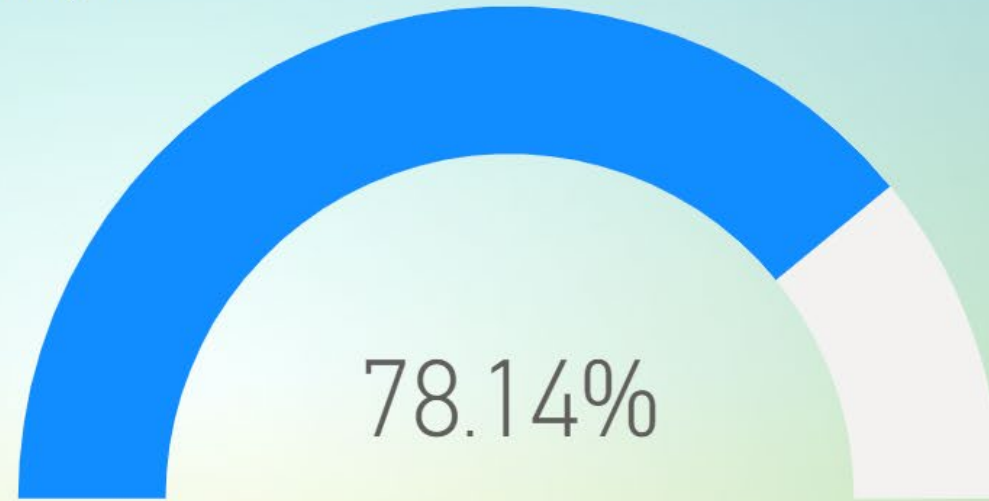
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FY1 Active Training Providers

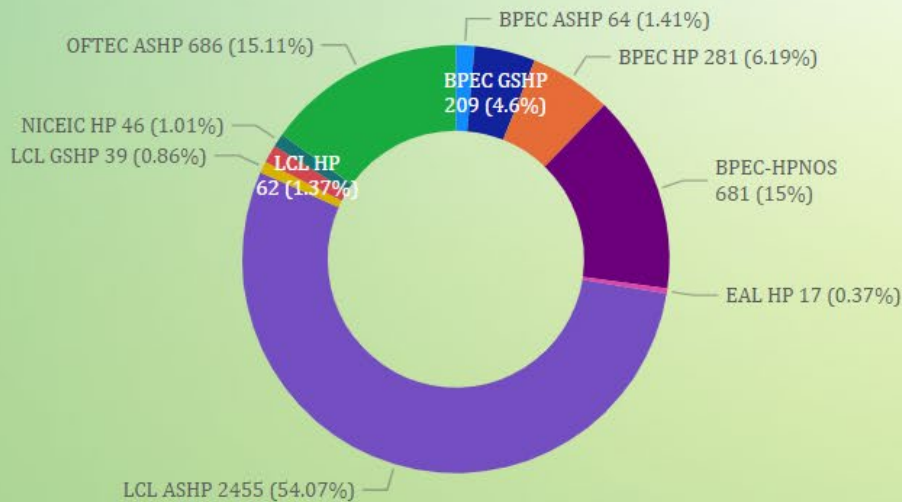
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FY2 Active Training Providers

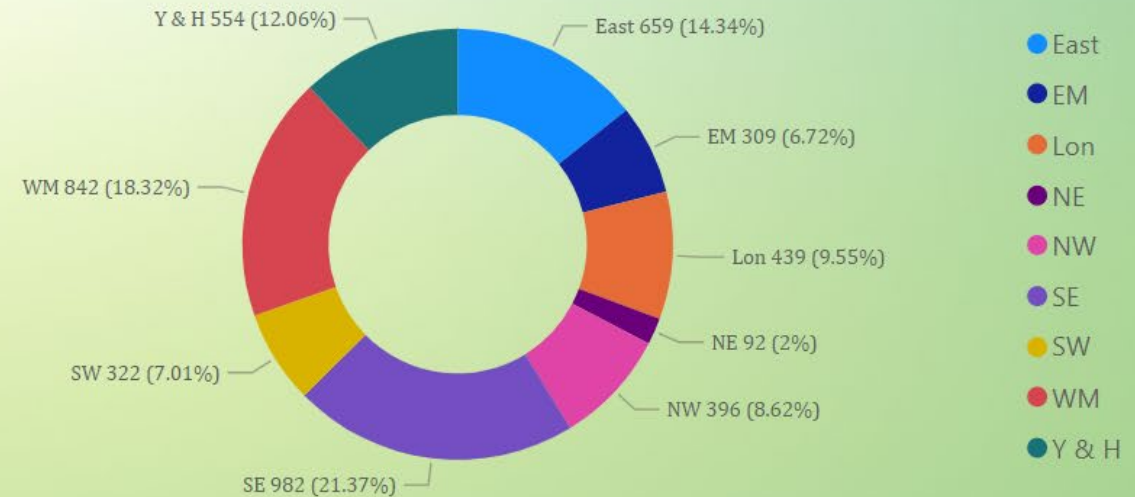
Delivery %



Round	Period	Year	Delivered months	Delivery months
FY1	July - March	2023/2024	9	9
FY2	April - March	2024/2025	7	12
Total			16	21

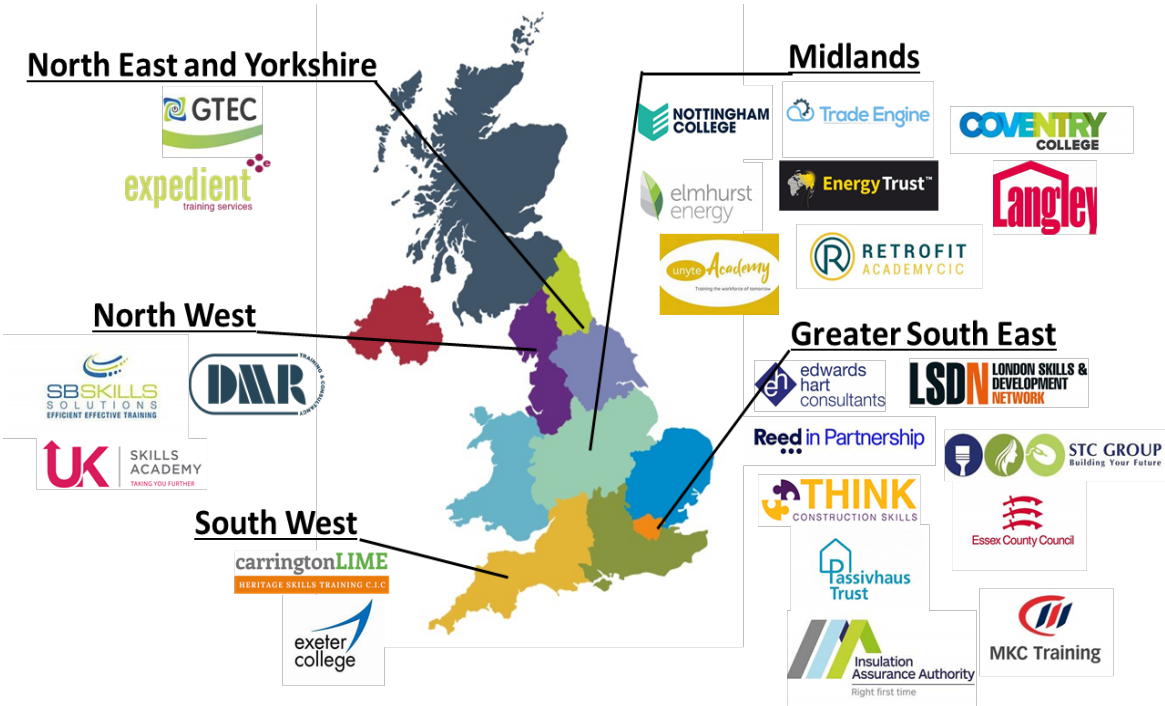


- BPEC ASHP
- BPEC GSHP
- BPEC HP
- BPEC-HPNOS
- EAL HP
- LCL ASHP
- LCL GSHP
- LCL HP
- NICEIC HP
- OFTEC ASHP
- OFTEC GSHP



- East
- EM
- Lon
- NE
- NW
- SE
- SW
- WM
- Y & H

Home Decarbonisation Skills Training Competition Phase 2



Grant

Up to **£8.85m** available grant funding for a range of suppliers to deliver accredited training for scaling up the building retrofit & energy efficiency sector.

Application

36 applications received across England
24 training providers awarded

Delivery

October 2023 – March (August) 2024
Of **8,000** training places targeted, **91%** of targeted training places achieved qualification

Work Package 1 - Retrofit Assessor and Retrofit Coordinator
Work Package 2 – Insulation NVQ Levels 2 & 3

HDSTC Phase 2 Quantitative Highlights

Over **9,300** accredited training places offered across England

Over **7,300** accredited qualifications achieved across England

Almost **1,800** qualifications achieved in **Work Package 1**

Over **5,500** qualifications achieved in **Work Package 2**

Thank you

<https://www.midlandsnetzerohub.co.uk/>