

Thermal Imaging Report '23-24



[Cambridge Carbon Footprint](#) has been offering free training to use [Thermal Imaging](#) (TI), and free camera loans during cold months, since 2010.

Our 2023/24 season from November to early April has been another **record-breaker** with over 600 people trained and **over 400 camera loans**

Borrowers use these cameras to reveal where their homes and other buildings are wasting heat due to poor insulation, draughts, heating problems, and damp.

It's more relevant with the cost of heating our UK homes continuing to be a challenge for many, while accounting for 17% of our national carbon emissions. This service is a wonderful way to engage and enable people, including tenants, to improve their home's comfort, while cutting their emissions and bills.

TI camera borrowers' quotes:

"Eye-opening and educational for both me and the homeowner,"

"Allowed us to understand areas where we can improve the thermal efficiency of both homes"

"Good opportunity to chat with neighbour about thermally efficient building envelopes, building physics principles, ventilation, condensation etc."

We are grateful to our 14 wonderful and dedicated volunteers who have each hosted a camera for loan (9 in South Cambs and 5 in Cambridge City), enabling friendly borrowing, usually locally.

But even with 14 cameras on loan and having increased our capacity to train up to 160 people at time, we're not fully meeting the surging demand!

In addition we encourage borrowers to survey other people's homes and buildings within their community, as well as their own, massively increasing the impact of the scheme. We've had an amazing uptake of this with 19 borrowers surveying 133 buildings, including whole streets, rental properties and Shepreth Village Hall, where an unused chimney was shown to be losing heat.



Collecting a Camera



Camera Host Locations

Many of our borrowers report positive outcomes and actions that they will take including:

- Upgrading double glazing, draft proofing and sealing around doors
- Floors to be taken up and insulated and re-boarded
- Owners will consider how best to insulate loft space
- Energy-efficient retrofit including internal-wall insulation

“I’ve been thinking about it for a while, and the scheme gave me the impetus to get started,” borrower

As the largest and longest running scheme of its kind in the UK, we have a growing reputation, and since November ’23 we have supported 8 more Councils and Community groups, from Falmouth to Staffordshire, who asked for our advice on starting their own thermal camera loan schemes.

“The Climate Change team at Warwick District, alongside our local Town Council, hope to introduce a similar scheme to our residents...your set-up seems very impressive and your website clear and we would like to learn from you.”

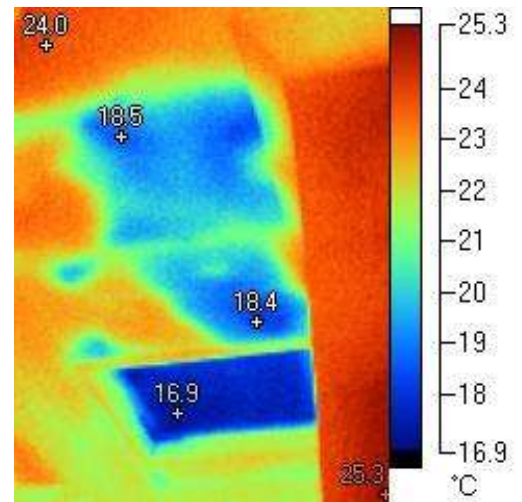
Warwick District Council.

As we turn now to looking further forward, we aim to continue to extend and improve this scheme through the next season and beyond, motivating and supporting even more people to improve their homes to reduce wasted heat.

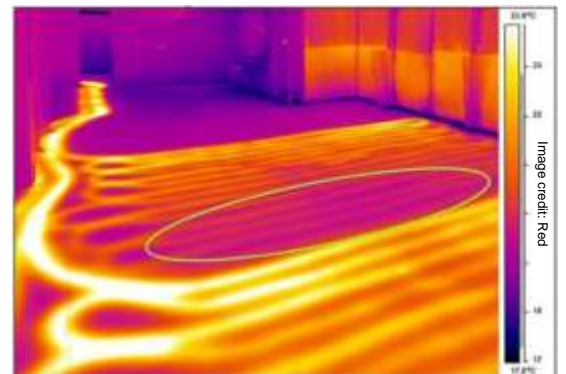
“I was considering home improvements regardless, but this survey is a great 'before the works' comparison point” - borrower

Many thanks to the numerous volunteers, donors, funders and enthusiastic participants, who’ve made this all possible and so worthwhile.

From CCF’s TI Team



Missing or thin loft insulation and uninsulated loft hatch



Underfloor heating - defect circled