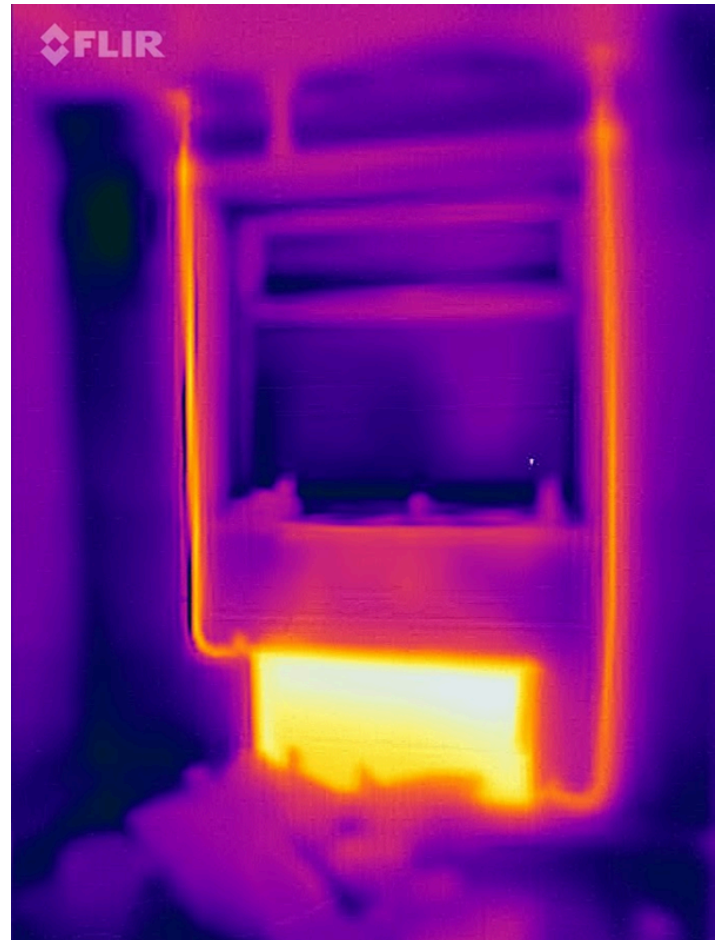


Infra-red Adventure

The Moorlands Climate Action thermal imaging camera has been used by Alana Wheat and Xander Wood who have just bought their first home and were excited to finally get to use the camera to check over sources of heat loss before starting on refurbishments.



When we purchased the home we didn't realise that the pipes were all on the outside of the walls running down the side of the windows in each room. The system was dated, with it all being controlled by the gas fire in the living room and the loft holding most of the important stuff!



There were air bricks in the living room, the bath room, the bedroom and the 'box' room. See the black corner in the photo above. These were a significant draft and despite the

heating being on made the room feel cold. We are testing blocking these up (not the one in the living room or bath room), but we will reopen if there are signs of damp... learnt our lesson on researching before doing something!

This is a photo of the hallway, which shows that there is no underfloor insulation. Something that we won't be able to change at this point. You can also see the contract of the overworked lightbulb (the only light in the entire hallway) and behind that the loft hatch (very cold).





In our front room there is a bay window which had cracks around the edge, these were letting in a draft too. The pipes can be seen going around the window and up to the loft.

We are lucky enough to have a conservatory which was constructed more than 10 years ago. However, this was significantly colder than the rest of the house. We are looking at affordable heating options for this room.





We had already tampered with the loft insulation to look at the pipe situation. So I will share an up to date thermal image once we have it.

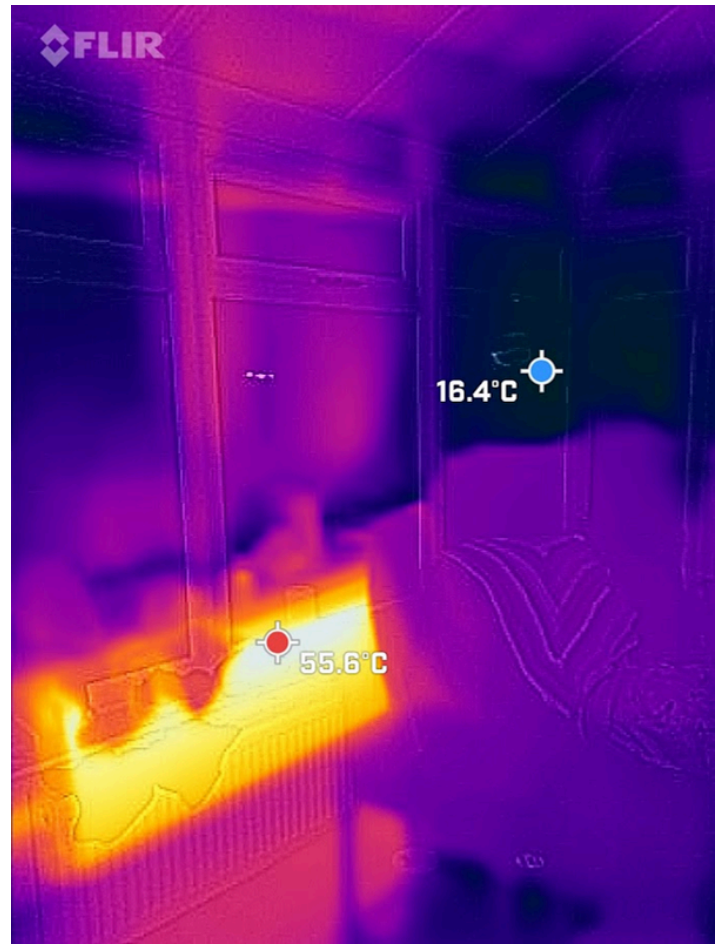
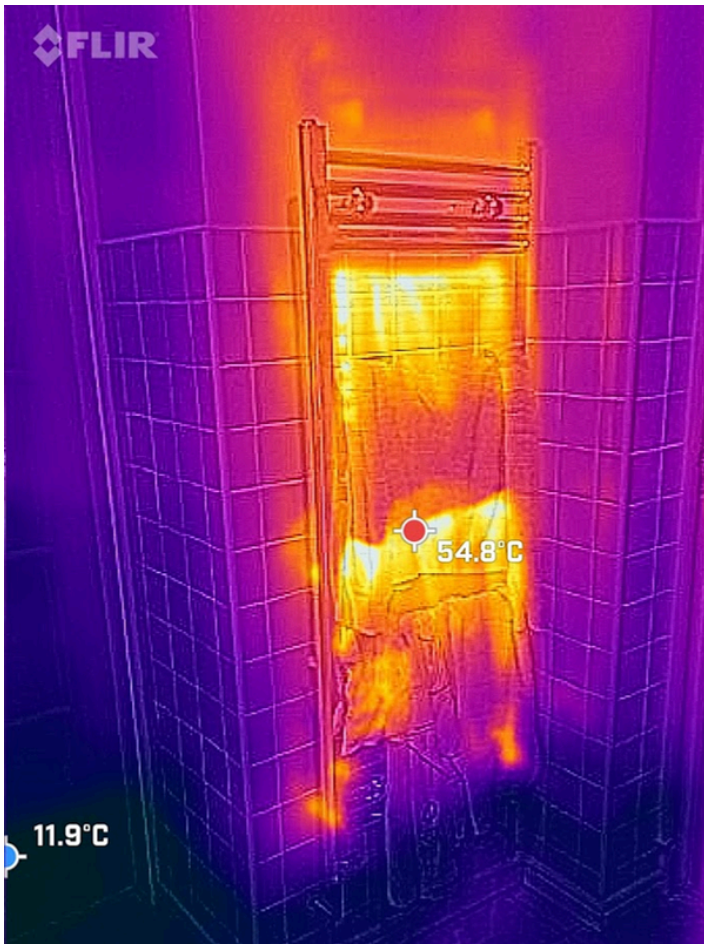
Stay tuned to see the changes we have made!

Update - 31st March 2026

New heating and plumbing...

Right: We've installed a new towel rail in the kitchen to help with drying off tea towels and to have more functional uses than an average radiator.

Left: The conservatory was nearly unusable in the evening / night due to the cold temperatures too so we have fitted a radiator there which is performing very well.



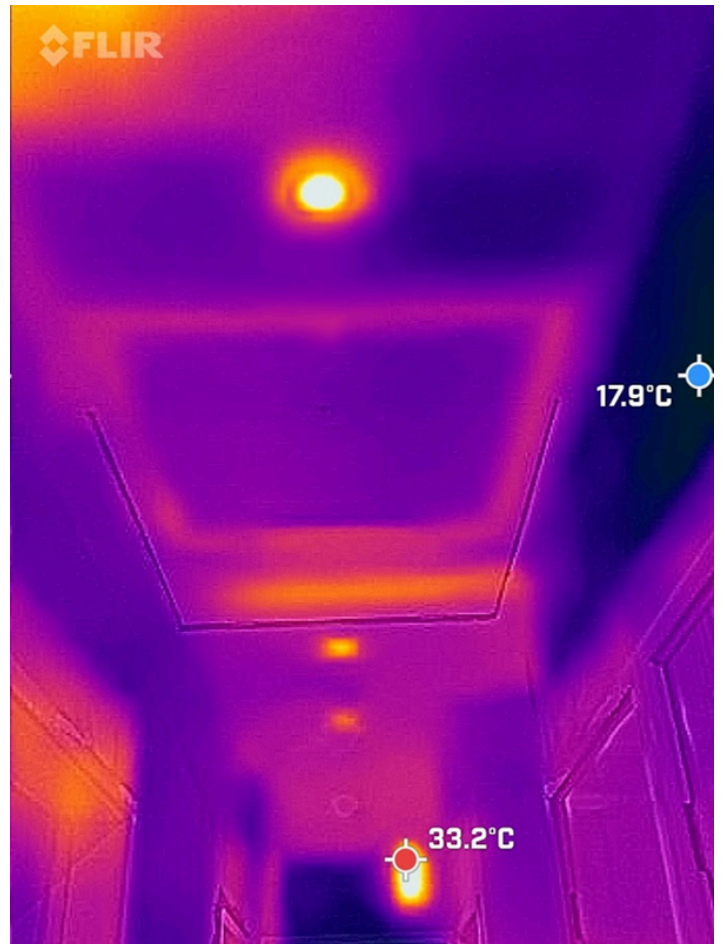
We've installed a modernised radiator and sunk the pipes in the living room space. The air vent can be seen to the left. For the purpose of the photo - the radiator is off.



The hallway we have replaced the radiator and fitted LEDs into the ceiling as down lights.



Before

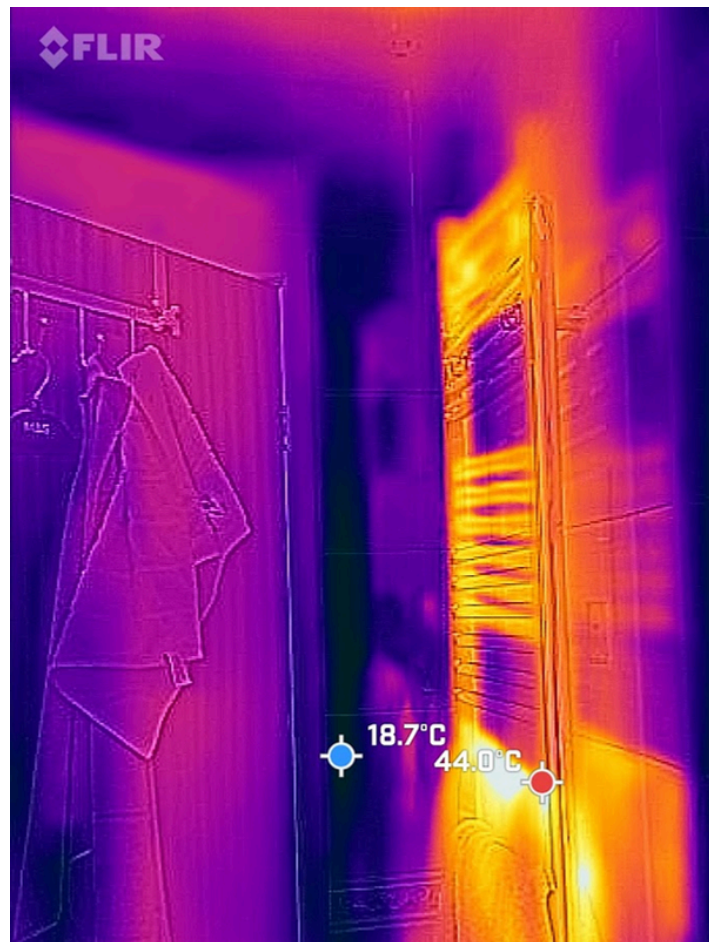


After



Before (left) you can see the pipes working their way around the door, now they neatly go straight up to the loft space.

The bathroom - we have swapped the shorter radiator for a taller radiator to make the most out of the space.

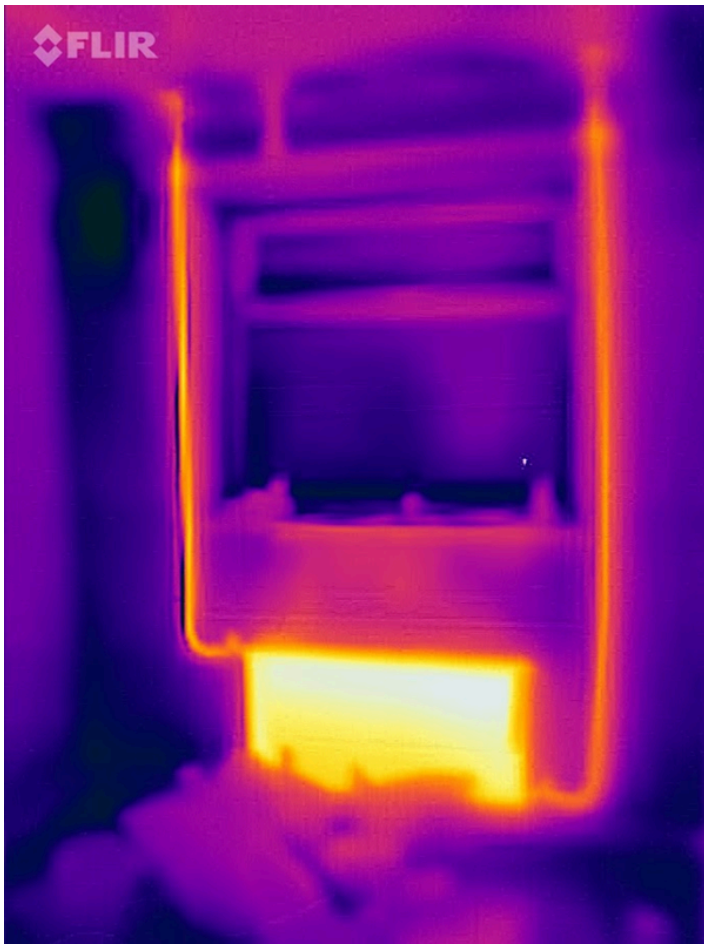


The 'office' / hobby room - we've updated the radiator and sunk the pipes into the wall. We're also now fixing the area around the window frames to make less drafty.

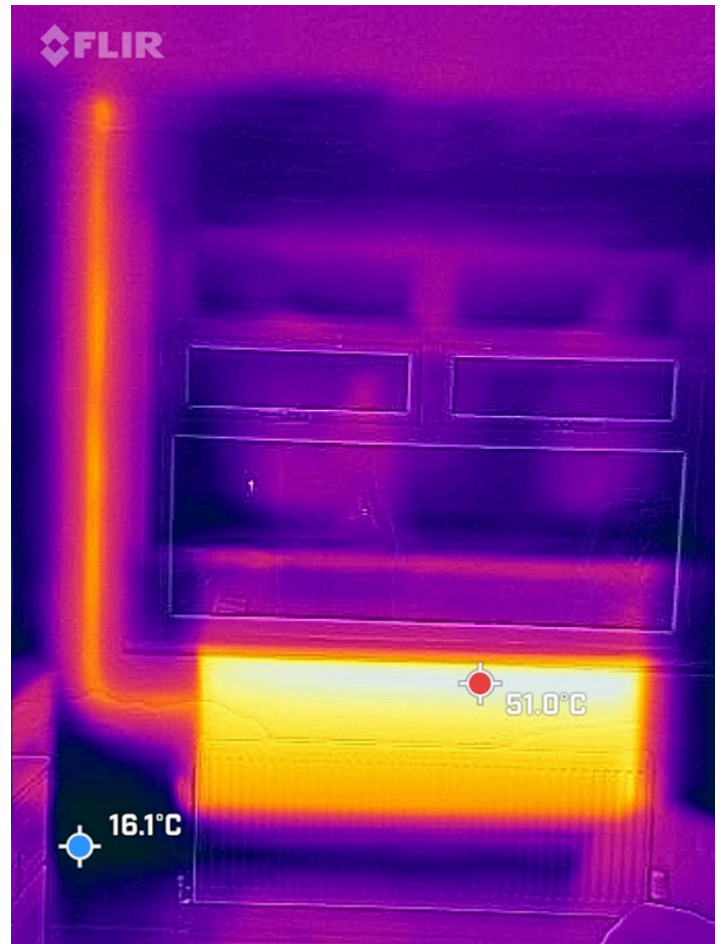
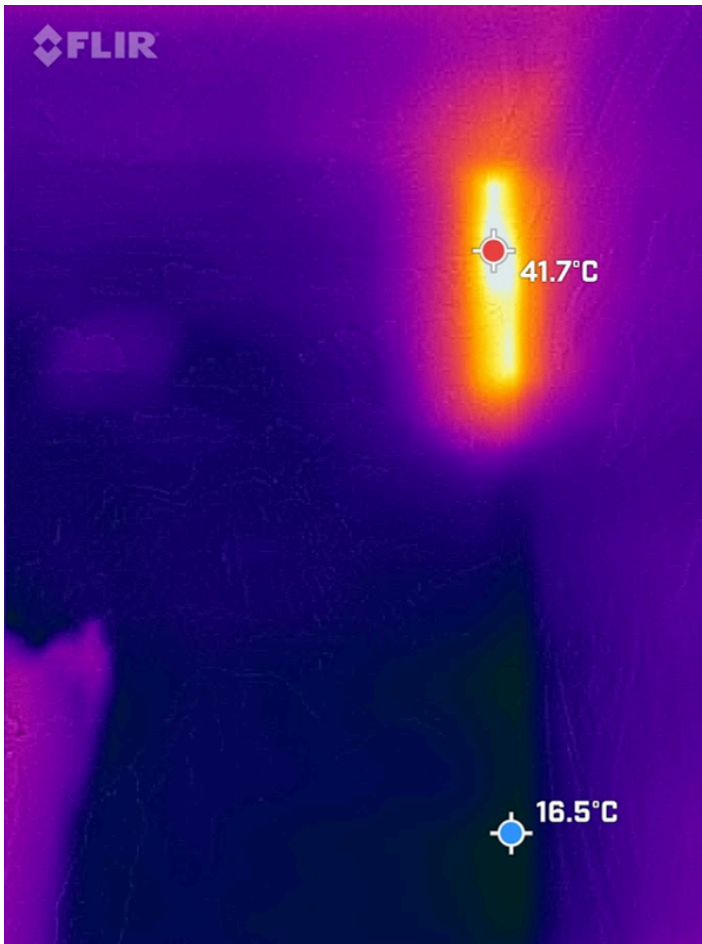


The box room / hobby part 2 room - again the radiator has been updated. This is with the old bulb (burning at a crazy 74.9 degrees celcius!

Before (left), and after (right)



The pipes are now hidden in the bedroom up the top corner heading into the garage where the boiler is:



and new radiator in the bedroom too.

From the outside, the heat spot is focused on where the steam is removed from the boiler as it escapes the garage.



Reflections

As always, when the project is compared, you wish you'd have taken more photos along the process!

The temperature spots are very important for actually knowing what temperatures you're comparing to, make sure to test these before you take all of your photos (facepalm).