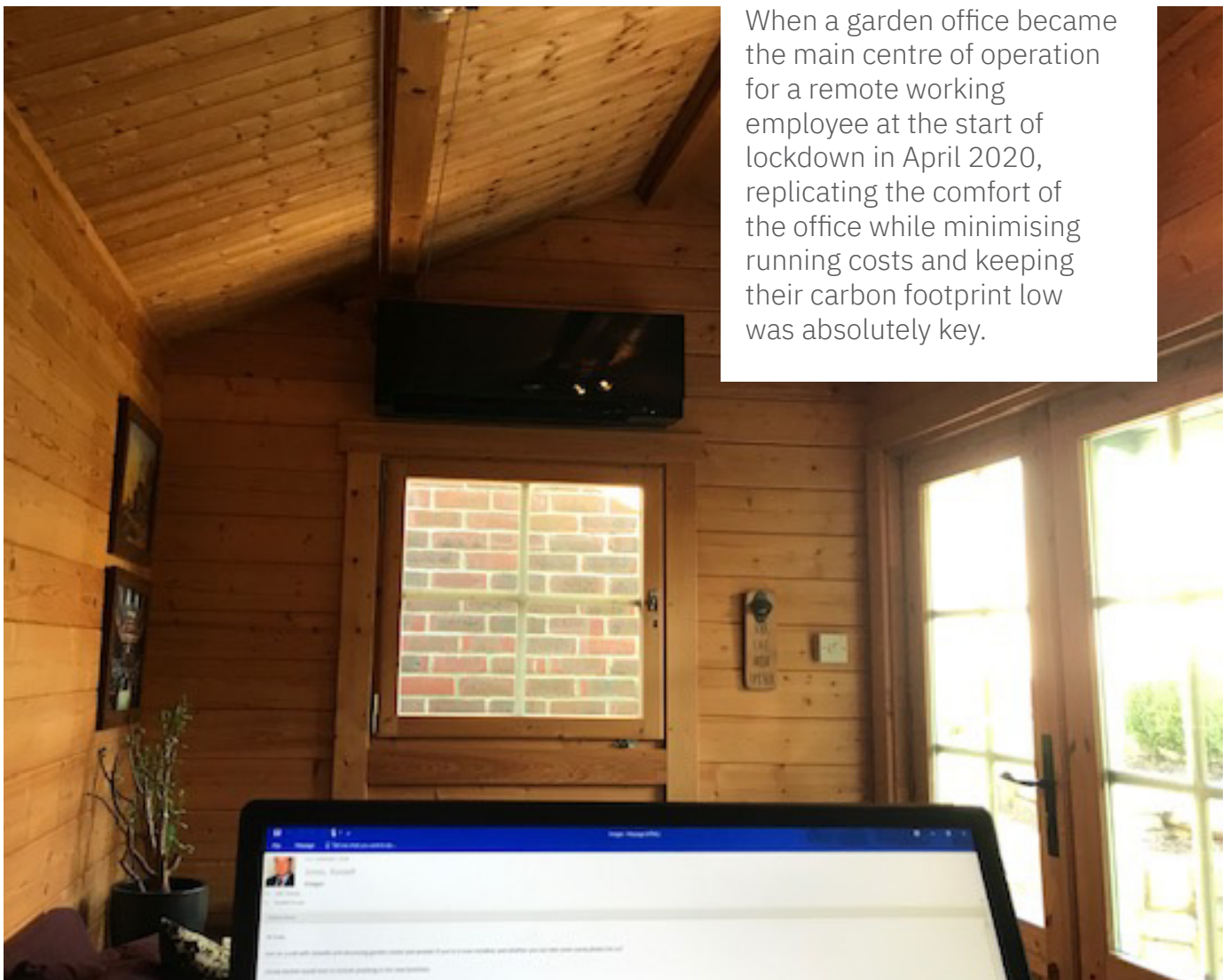


Case Study

Mitsubishi Electric provides efficient temperature control to garden office oasis



When a garden office became the main centre of operation for a remote working employee at the start of lockdown in April 2020, replicating the comfort of the office while minimising running costs and keeping their carbon footprint low was absolutely key.

The solution was the installation of a Zen wall mounted split air conditioning system with built in Wi-Fi from Mitsubishi Electric that would deliver the perfect levels of fresh air and provide temperature control to the occupant all year around.

Due to a number of lockdowns and home working becoming the norm for millions of employees around the world, many people have looked for creative ways to use the space available to them. Combined with a desire to keep home and work lives separate, garden rooms have become increasingly popular - and continue to appeal as 'hybrid' working models look set to stay as the status quo.

When considering what to fit in the garden office, Amy Hall knew she needed an energy-efficient solution that didn't take up too much space both within the room and outside and was aesthetically in-keeping with her family home. It was also key that the unit ran silently to avoid disruption to her work, and to provide an oasis of calm when enjoying the garden room at the weekends.

The installation was done in a day and used less than 5m of pipe between the indoor unit and outside condenser.

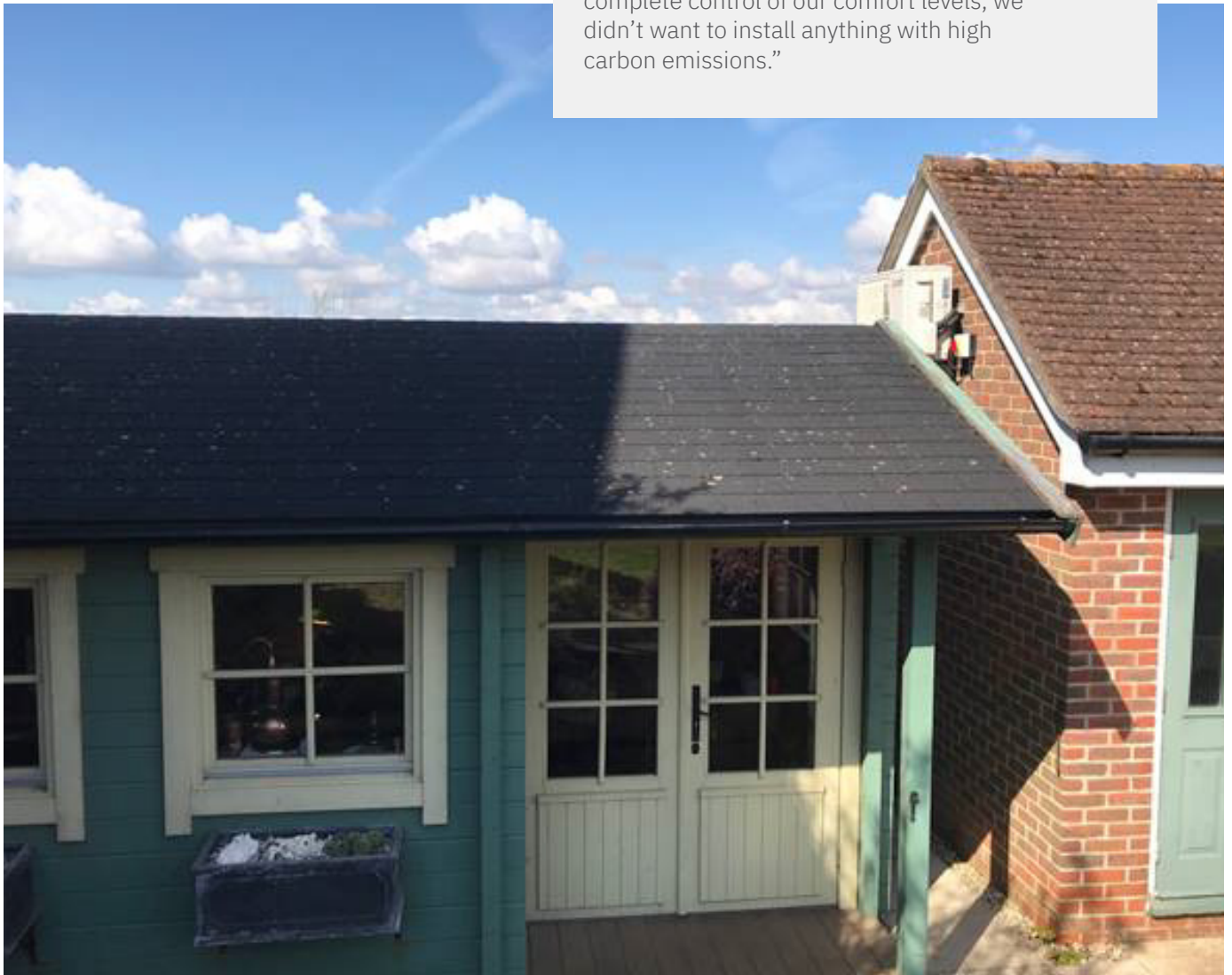


“Our garden room is a flexible space for both work and leisure, so it was important that the solution was equally versatile.”

“We built the garden room three years ago, and until the installation of this unit, for large parts of the year it was effectively unusable due to extreme temperature fluctuation. We previously were using a 2.5kW electric heater to heat the office, which as you can imagine, wasn't efficient at all.

The unit was also selected for its convenience as it supported wireless capabilities - meaning the office can be heated or cooled remotely before Amy started work in the morning. The additional benefit of having more control over the unit meant that the family could ensure it was only in use when it was absolutely necessary, creating greater efficiencies.

Amy added, “For us, we're very mindful of our carbon footprint at home, so whilst we wanted complete control of our comfort levels, we didn't want to install anything with high carbon emissions.”



Installation Summary

Zen wall mounted split system with built in Wi-Fi

Outdoor Unit:

x 1 MUZ-EF25VG

M series



Indoor Unit:

x 1 MSZ-EF25VGKB

M series



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of July 2021

