

EXTRA EXTRA!

READ ALL ABOUT IT

The electric wallpaper that heats homes

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Could electric wallpaper one day replace your gas boiler? It is currently being tested in 12 properties in the Scottish city of Glasgow to assess its effectiveness as a clean heat source.

Scotland homes are some of Europe's oldest and worst insulated. On average, they lose heat three times faster than European ones.

This means their heating systems lose lots of energy to keep them warm. Fossil fuel-powered central heating is used in 84% of Scottish homes, meaning they also release huge amounts of CO2. Heating buildings is responsible for more than 36% of the UK's total carbon emissions.

"Innovative pilot projects such as this are vital when considering how best to help tackle the issues of energy costs and emissions in Glasgow's homes," says Councillor Ruairi Kelly.

Researchers are exploring the possibility of replacing gas heating with eco-friendly electric wallpaper.

This type of wallpaper can provide warmth within one to three minutes, according to developer

NextGen Heating, making it ideal for hard-to-heat properties.

To monitor its efficacy, the technology uses AI-enabled data analytics to collect information on efficiency, including heat retention and energy consumption. Tenants will also provide feedback on the comfort level provided by the heat source.

So far, the signs are good.

"We have been trialling this technology for a few months now and have had excellent feedback from our tenants where this has been installed," says Andrew Kubski, of the West of Scotland Housing Association.

It's just one of eight new research collaborations aimed at addressing sustainability challenges in everything from buildings and transport to energy, finance, food and natural systems.

"These projects are a crucial step in our journey towards a more sustainable and equitable future, not just for Scotland, but globally," says Professor Lianne Gibson of the University of Dundee.

TRUE OR FALSE?

Not all news is based on truth. Do you think this story is based on true or false news?

Leaving devices on standby is a good way of saving energy.



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This worksheet is available every weekday at 6:30am London time from <https://theday.co.uk/resources/news-detectives>.
For any feedback or help please contact buildthechange@theday.co.uk. Thank you.

Answer to Find the truth. False! Keeping devices on standby uses lots more energy than turning them off. Learn more here.



CHECK YOUR FACTS

1

WHAT
percentage of
Scotland's homes
are heated by
fossil fuels?

ANSWER:
84%

WHO
has provided
positive feedback
about the
wallpaper?

ANSWER:
Tenants

WHERE
is the trial
taking place?

ANSWER:
Glasgow

WHEN
did the trial
begin?

ANSWER:
April
2024

WHY
do Scottish
homes lose heat
quickly?

ANSWER:
Poor
insulation

HOW
does the
wallpaper collect
information?

ANSWER:
Using artificial
intelligence



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