



Healthier homes for better health outcomes

4th November 2025



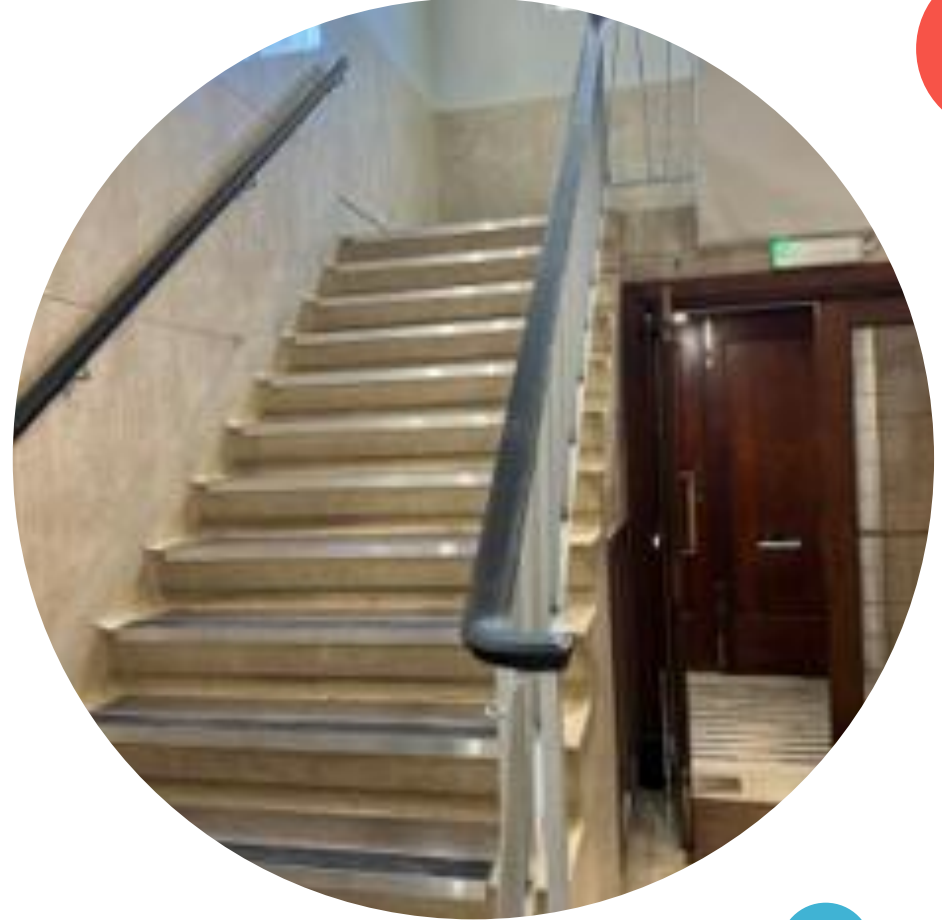
Our Projects

Large scale retrofit, Newport



New Build, Monmouthshire

Renovation of Listed Building, Torfaen



Incorporating listing &
conservation



Technologies

Domestic Solar Photovoltaic



Solshare Distribution System

Cavity Wall and External Wall Insulation



Smart Hot Water Solutions

Hedyn

Roderick Hill
|Court ,
Blaenau Gwent



Roderick Hill |Court, Tredegar, Blaenau Gwent

Background

2012

Air Source Heat Pump, traditional hot water cylinder and solar thermal

2022

Cavity wall extraction and refill

Trial of Nexgen infrared heating.



Or ASHP heat source

45°

30°

GAS heat
source

80°

30°

temperature
gradient

21°

30°

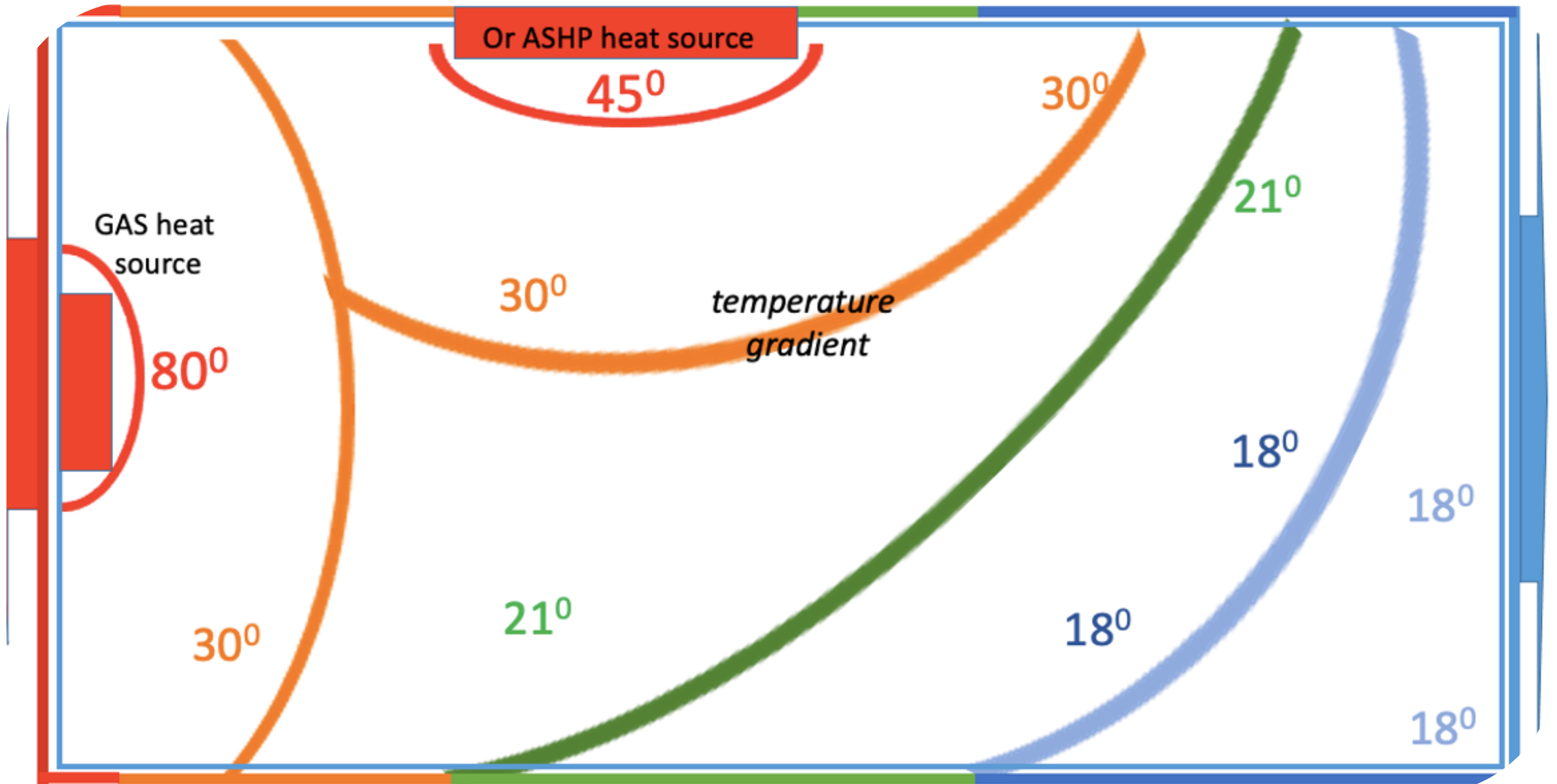
21°

18°

18°

18°

18°



Heat
source

NEXGEN

Safe surface temp c. 37°C

Heat
source

NEXGEN

Safe surface temp c. 37°C

Heat
source

NEXGEN

surface temp c. 37°C

Heat
source

NEXGEN

Safe surface temp c. 37°C

NexGen 'heats the human' from ceiling down – constantly warmed by infra-red

Far infrared warms
up the entire living
area ... 2-3 mins to
feel warmth

Roderick Hill |Court, Tredegar, Blaenau Gwent

2025

Solar PV and battery storage

Sunamp thermal battery

Triple glazed windows and new fire doors installed

Nexgen Far Infrared heating System



Benefits

Nexgen Heating

Fast warm up and retains heat longer

Simple controls for user

Zonal heating and PIR responsive

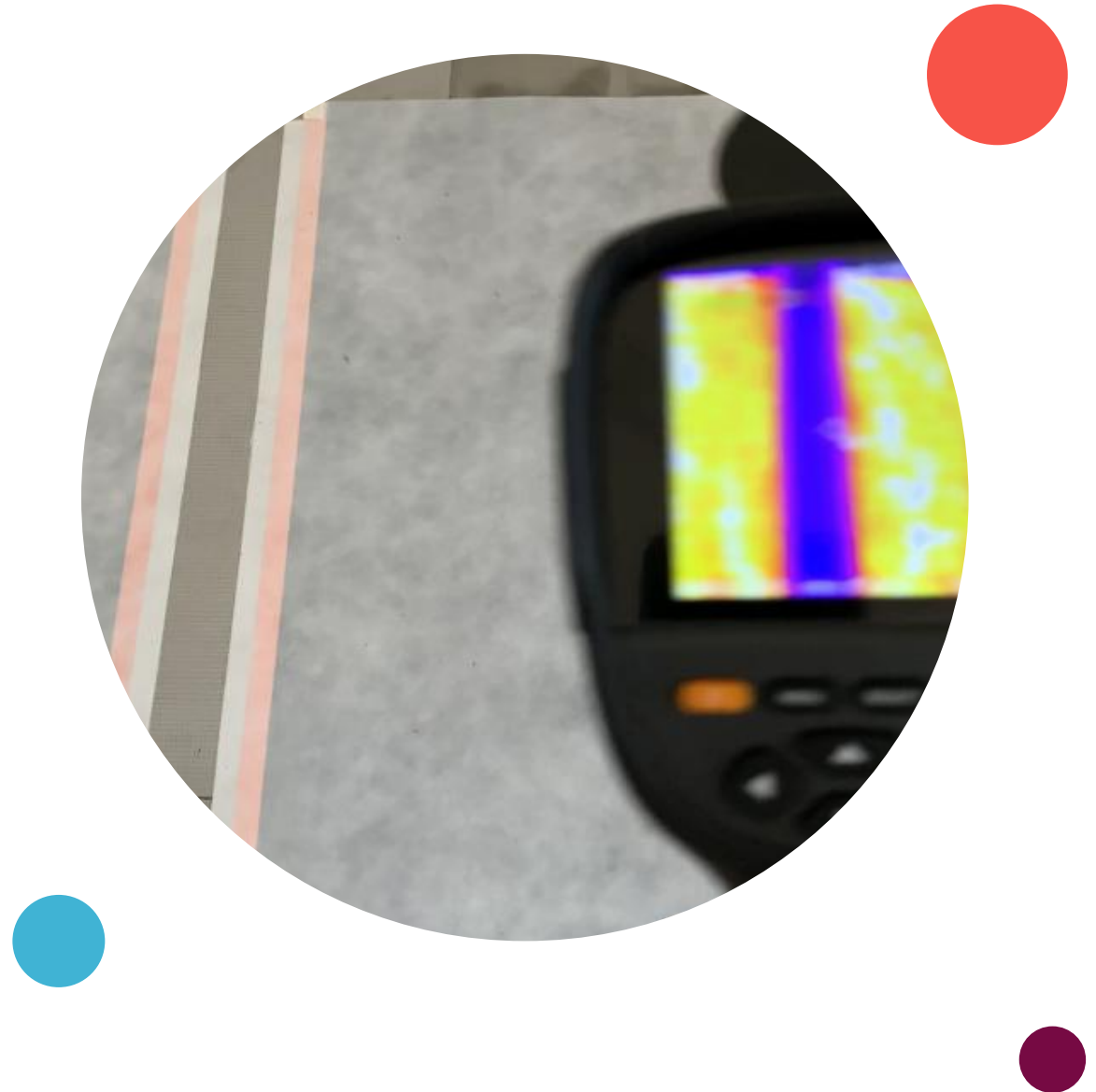
Sunamp

Minimal standing heat loss

Eliminates the risk of Legionella bacteria

Solar PV and Battery storage

Off set electric heating and energy when needed

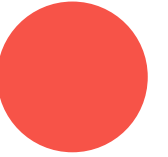


Health benefits

Improved circulation and immune function by warming the body directly

Healthier home environment by not circulating dust and allergens

Can help in prevention mould and damp



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