



# Case Study: **Getting started with heat pumps**

Carl Raison

# The Future of Heating

The way we provide heating and hot water to homes will fundamentally change over the coming years.

Multiple technologies are needed to hit Government targets of Net Zero by 2050 in Wales



# The role of The **Heat Pumps and Electrification**



Heat pumps are a highly efficient, eco-friendly way of producing heating and hot water.

By taking “free energy” from the air via a refrigerant cycle they generate heat without releasing any local carbon emissions.

## **Why heat pumps are a good low carbon solution**



Heat pumps reduce the reliance on fossil fuels



Heat pumps produce renewable heat



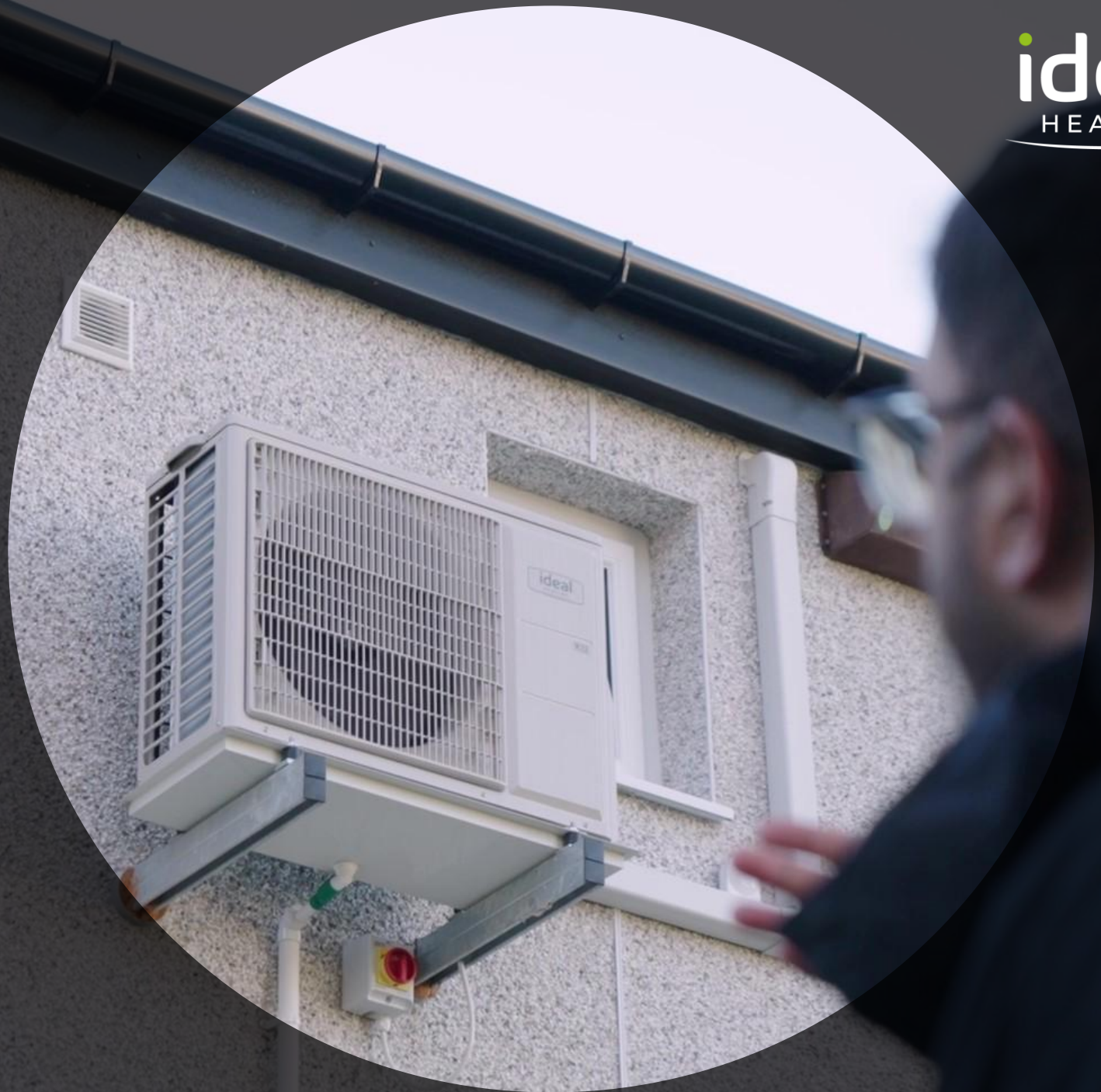
Heat pumps are over 300% efficient

# Case study

## Leeds City Council

ideal  
HEATING

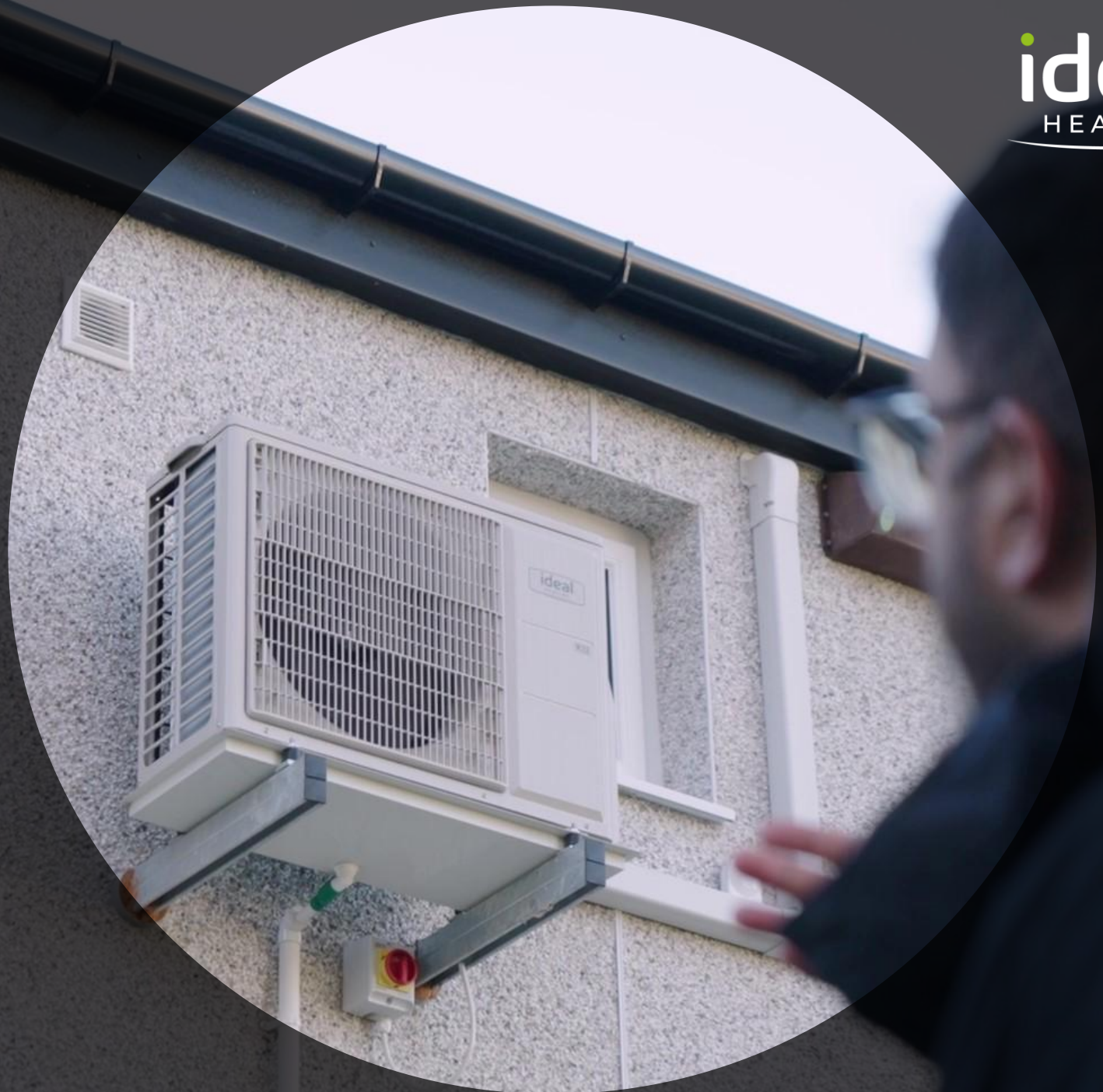
- One of the largest social housing providers in the North of England
- Part of an ongoing sustainable project to retrofit EWI and ASHP
- 140 units in a 2 storey apartment block
- 5kW heat pumps and DHW cylinders



# Case study

## Leeds City Council

- Support with specification
- On site assistance with install and commissioning
- Tenant information leaflet and education



# Case study

## Leeds City Council

ideal  
HEATING

- EPC rating improvement D to A
- Carbon emissions 2.8 tonnes to 0 tonnes
- Energy bill £637 to £424





“Working with Ideal has been great all the way through. The product has met all our requirements and so far we’ve had no issues with them, and I believe this has been a successful project as a result.”

Zahir Mohammed, Senior Technical Officer at Leeds City Council

# Alfea Extensa



- ✓ **Compact and light chassis**
- ✓ **Low sound levels**
- ✓ **Flexible installation (up to 30m from the home)**
- ✓ **No Glycol or Anti-freeze fittings**
- ✓ **Reliability as standard**



# New Logic **Air**

**ideal**  
HEATING

- ✓ Quiet and efficient monobloc heat pump
- ✓ Pre-plumbed and Pre-wired DHW cylinder
- ✓ Halo Air smart control
- ✓ Easy to install
- ✓ Reliability as standard





**Thank You**

[idealheating.com](http://idealheating.com)

**EXPERTS IN  
HEATING**