

CASE STUDY

Whole-House Retrofit for Paradigm Housing Group

WORKS DELIVERED BY ARAN

- Loft and cavity wall insulation
- Replacement glazing upgrades
- Air Source Heat Pumps (ASHP)
- Solar PV installations
- High Heat Retention Electric Storage Heaters (HHRESH)
- Planning applications and tenant liaison

CLIENT TESTIMONIAL

"Working with Aran Insulation on our SHDF Wave 2.2 retrofit program has been a refreshing experience. Their professionalism, technical expertise, and collaborative approach were key to delivering energy-efficient upgrades across 61 homes. Aran's commitment to quality and resident satisfaction helped us meet our decarbonisation goals while improving comfort and reducing energy costs for our residents. Based on this success, we're now continuing our partnership with Aran on SHDF Wave 3 to help us deliver £10.1m of work over the next 3 years."

- David Lipyeart, Contracts Manager, Paradigm Housing Group

CLIENT: PARADIGM HOUSING GROUP

PROJECT: SOCIAL HOUSING DECARBONISATION FUND (SHDF) WAVE 2.2

PROJECT LIFECYCLE: INITIATED MAY 2024, COMPLETED SEPTEMBER 2025

OVERVIEW

Aran Insulation was appointed by Paradigm Housing Group (PHG) to deliver a comprehensive whole-house retrofit program funded through the Social Housing Decarbonisation Fund (SHDF) Wave 2.2.

The project focused on improving the energy efficiency and comfort of 61 homes across Buckinghamshire through a range of fabric and renewable measures, including loft and cavity wall insulation, air source heat pumps (ASHP), solar PV systems and high heat retention electric storage heaters (HHRESH). The primary aims were to reduce carbon emissions, tackle fuel poverty and enhance residents' comfort through a high-quality, PAS 2030-compliant retrofit delivery.



KEY OUTCOMES

- ✓ A total of 61 homes retrofitted to modern energy efficiency standards
- ✓ Significant reductions in carbon emissions, supporting Paradigm Housing Group's Net Zero targets
- ✓ Improved thermal comfort and lower energy bills for residents
- ✓ PAS 2035 compliant delivery, ensuring quality and compliance throughout
- ✓ High levels of tenant satisfaction through proactive engagement and communication
- ✓ Upskilling and training for Paradigm Housing Group's in-house heating team
- ✓ A strengthened local supply chain through the use of regional contractors and suppliers
- ✓ Community benefits delivered, including employment opportunities and food bank support
- ✓ Successful collaboration between Aran, Paradigm Housing Group and the Retrofit Co-ordinator
- ✓ Foundation for future programs, leading to a continued partnership on SHDF Wave 3 (£10.1m / 500+ homes)



COLLABORATION AND DELIVERY

Aran worked in close collaboration with Paradigm Housing and their appointed independent Retrofit Co-ordinator to deliver the program from start to finish. Key aspects of delivery included:

- Conducting and reviewing Retrofit Assessments in partnership with Paradigm Housing Group.
- Co-ordinating tenant liaison and engagement, ensuring clear communication and minimising disruption for residents.
- Managing planning applications where required for renewable technologies.
- Working closely with manufacturers to secure best-value materials, product guarantees and specialist training for Paradigm's in-house heating team to maintain newly installed ASHP systems.



This fully integrated approach ensured PAS 2035 compliance, efficient project management and a smooth delivery process for both PHG and their residents.

SOCIAL VALUE AND COMMUNITY BENEFITS

Beyond technical delivery, Aran generated measurable social value outcomes that supported both Paradigm Housing Group's communities and the wider local economy:

- **Employment:** Appointment of a regional Contracts Manager to oversee delivery and strengthen local delivery capacity.
- **Community Support:** Sponsorship of Christmas food banks, supporting families in need within PHG's communities.
- **Local Supply Chain:** Engagement of local subcontractors and suppliers, working alongside Aran's PAYE install team to support the regional economy and reduce travel-related carbon emissions.

Why not partner with Aran to deliver your next retrofit program?

From initial assessments to final installation, we provide fully PAS 2035-compliant solutions that improve efficiency, comfort and carbon performance.