

Waverley, The Guinness Partnership

The Waverley project, undertaken by The Guinness Partnership (TGP), aimed to address overheating issues in Waverley Court, a 50-year-old residential building situated in Crewe. Collaborating with FairHeat, TGP executed capital works to retrofit the heat network, enhance sustainability, and improve energy efficiency.

Challenges and Background

Waverley Court suffered from overheating problems due to its 1-pipe system lacking insulation. Furthermore, residents were not billed for heat usage, leading to inefficiencies.

FairHeat's Optimisation Study and HNES Demonstrator

TGP partnered with FairHeat to rectify these challenges. The existing system was replaced with a more sustainable two-pipe system, featuring Heat Interface Units (HIUs) in dwellings and operating on a 55/40 temperature profile. This transformation involved the removal of the previous system, including emitters, and their replacement without disrupting wall space.

Outcomes

The project was a success, significantly improving energy efficiency and addressing the overheating issue. The new system garnered positive feedback from residents, resulting in a more comfortable living environment.

“The funding provided by the HNES demonstrator allowed us to successfully tackle an issue of overheating; we now have a new, efficient and reliable heat network. By reducing the operating temperature of the network by 20^oC, we have significantly reduced energy consumption. As a result, residents have far more control within their homes and the system has been future-proofed for low carbon technology. Working with Fairheat has been a really positive experience and this project has clearly demonstrated what can be achieved within an older building.” - Maria Adcock, Head of Contract Management, The Guinness Partnership