

# Nottingham Community Housing Association to decarbonise more than 200 homes for older people

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Consultancy practice [NetZero Collective](#) has undertaken a project with Nottingham Community Housing Association to help prepare to decarbonise independent living schemes.

Seven assisted living schemes for older people, totalling 214 homes, were assessed under PAS2038 guidelines and outline plans were created on how they can be successfully decarbonised.

The company undertook retrofit assessments, pre-retrofit coordination, 3D scans to create digital twins of each block, drone surveys, architectural/CAD drawings, topographical surveys, and communal heating condition surveys.

Following the analysis of the buildings owned by Nottingham Community Housing Association, the company put together a scheme report to decide how best to minimise energy demand by improving the fabric of the property first, before switching to a low or zero-carbon energy source.

Some key recommendations included improved loft insulation, new external wall insulation and cavity insulation to minimise energy demand. Other recommendations included a mixture of zero-carbon technologies, including air source heat pumps, solar photovoltaics and battery storage.

The retrofit works proposed are projected to eliminate an average 49% of the carbon emissions per home, which equates to the elimination of 18.5 tonnes of CO<sub>2</sub> by 2050.

Director Neil Waite said: "It's been brilliant to be working with Nottingham Community Housing Association

to help them prepare to decarbonise more than 200 assisted living homes. We worked closely with the residents involved to ensure our approach was tailored to meet their needs.

“By using the PAS2038 process, our survey and recommendations put Nottingham Community Housing Association in a strong position to move forward with decarbonising their homes.”

Team manager - Projects Shaune Calame said: “NCHA selected to partner with NetZero Collective as we were blown away by the speed and precise level of detail NetZero’s 3D scans provided - producing PAS2038 information insights, stock condition results, reporting and more. Importantly, the service is quick and convenient for our customers and staff as it negates the need for repeat visits.”