



LOCATION: MALDON DISTRICT, ESSEX



The project

Salvation Army Housing Association (Saha) owns and manages over 3,500 homes across England. When a mixture of 35 flats and houses in Brewers Yard, Southminster, in the Maldon district of Essex required an upgrade, TSG Building Services were appointed as a result of a competitive tender to install new Air Source Heat Pumps heating systems to replace the existing electric heating systems.

PROPERTY:

SOCIAL HOUSING

MIX OF 35 FLATS AND HOUSES

PREVIOUS FUEL

ELECTRIC SYSTEM

TECHNOLOGIES USED:

- AIR SOURCE HEAT PUMPS ✓
- HOT WATER CYLINDERS ✓
- HEATING CONTROLS ✓
- HEAT EMITTERS ✓

Specification

TSG recommended the Ecodan air source heat pump system from Mitsubishi Electric, with units installed ranging from 5kw to 8.5kW depending on the property size, along with pre-plumbed cylinders.

Ecodan is designed for retro-fitting making it suitable for almost any property. It can even work alongside existing heating systems in a hybrid situation deciding when it is most efficient to use the renewable heating.

Benefits

Saha is committed to upgrading expensive to run heating systems with ones that are more energy efficient and therefore comparatively cheaper to run. Residents have realised lower energy bills and are benefiting from warmer, more comfortable homes. In addition, the carbon footprint associated with these homes has been significantly reduced.

“We believe in working together with our residents, so we can help combat high energy costs and alleviate fuel poverty. We’ve already had good feedback from a customer satisfaction questionnaire in regards to savings on their energy bills in comparison to their previous electric heating systems as well as the increased thermal comfort of their homes,” added Mr Sitton, Capital Projects Manager, Saha “Of course there is also the added benefit of being able to attract regular payments from the Renewable Heat Incentive.”