



# MAKE THE SWITCH CASE STUDY

## THE CHALLENGE:

**COST EFFECTIVE ELECTRIC REPLACEMENT FOR GAS WARM AIR UNIT AND GAS WATER HEATER**

## THE SOLUTION:

**JOHNSON & STARLEY WARM AIR UNIT WITH EHC ELECTRIC BOILER**

### Key Points

- → Mr and Mrs H had been happy with their gas warm air system, but had experienced breakdowns and no replacement option was available.
- → A replacement Johnson & Starley Aquair unit was recommended, supported by an EHC electric boiler wall mounted in the garage.
- → The installation used the existing warm air distribution system, meaning there was minimal disruption within the property.
- → The gas water heater was replaced with an electric equivalent, also wall mounted in the garage.
- → Mr and Mrs H anticipate that savings in running costs will mean the install costs have been recovered in around three years.

### The Challenge

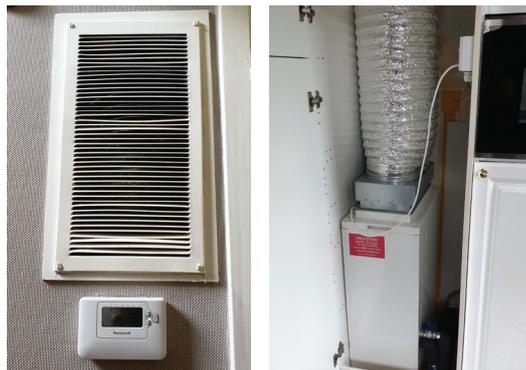
Mr and Mrs H live in a three bedroom semi-detached home. Their gas warm air heating could no longer be supported, or replaced by a similar system following breakdowns, so they were in need of an alternative solution. A family member suggested they look into electric heating so they booked a free survey via Jersey Electricity Customer Care.

### The Solution

With warm air distribution vents throughout the property it made economic sense to stick with a similar system, however with no gas option available, an electric solution was the obvious choice. JE's Energy Solutions team identified a new Johnson & Starley product that could be coupled to an external heat source. The new unit would work alongside an EHC electric boiler and deliver warm air throughout the property as the existing unit had done before. All that remained was to replace the aging gas water heater with an electric equivalent in order to move to an all-electric solution



Warm air heating was installed in the property when it was built in the 1960s.



Existing ducts were used and the new Johnson & Starley unit was installed in the same kitchen cupboard.

## Product and efficiency

The EHC Comet boiler has been Jersey Electricity's electric boiler of choice for several years. Available in a range of sizes to suit both large and small properties the boiler provides uninterrupted hot water to the warm air unit. The Johnson & Starley unit specified was the Aquair 10kW Heat interface unit. This was installed in the same position as the old gas warm air unit and utilised all existing ductwork.

The water heater fitted was the Sienna Digital unvented hot water heater, which provides up to 150 litres of piping hot water. This can also be app controlled via a smart phone or tablet device.

## Installation and maintenance

The installation was completed by JEBS over five days with the majority of the work completed in the garage. Pipes and cables were run to the warm air unit in the kitchen and a new programmable room thermostat was fitted to regulate the temperature within the property.

It is recommended that both units are serviced on an annual basis.



The EHC boiler provides heated water to the warm air unit



Digital display on the Rointe instantaneous hot water unit

## Mr & Mrs H Q&A

### How did you find the survey, quote and customer support?

*"It was all really straightforward, Adrian explained everything and it was all accurate in the quote and works. Overall we were really pleased."*

### Were you happy with the installation?

*"Definitely. The guys were here on time and worked like demons – I can't speak highly enough of all the team. The four men who worked on the job were wonderful."*

### What has been the impact on running costs?

*"We haven't had a winter yet but we were paying over £300 per month for gas and we're expecting a significant drop. We're hoping the savings will have covered the cost of the installation in around three years."*

### Are you pleased you made the switch?

*"We were happy with the warm air system so we'll be happy as long as the electric does what it says on the tin. So far it's all looking good and the hot water has been better than we expected – it used to take a few minutes to kick in, now it's instant heat and plenty of hot water!"*

Product:



Installer:



Contact details

Web: [smarterliving.je](http://smarterliving.je)

Email: [smarterliving@jec.co.uk](mailto:smarterliving@jec.co.uk)

Tel: 01534 505600