

# Case Study: Devon Chamber of Commerce Offices, Plymouth

## Case Study:

The Devon Chamber of Commerce operate from a office unit in Plymouth. The building is of late 20th-century construction, on a single floor with parking outside. The heating and hot water are provided by a single 60KW boiler piped to a radiator system and hot water tank. As part of their drive towards net zero, the Chamber were keen to explore how OH4 could help them reduce their carbon footprint and cost of heating.



## The Challenge:

The Client's annual consumption of gas prior to installation of OH4 was 30,952 kWh, representing 5.6 tonnes of carbon being emitted each year at a cost of £2,600 per year. This represents a significant direct carbon emission that could be reduced in order to meet their carbon goals. In line with their sustainability and cost reduction targets, they were keen to explore the OH4 Energy Saving System (OH4) as a potential solution that didn't require extensive investment in new equipment.

## The Solution:

After a short site visit, it was agreed that OH4 be installed at the premises at a cost of £700 + VAT. With no need for any downtime on the heating and hot water system and access only required in the plant rooms, it was shown that there would be no disruption to operations. OH4 was fitted in the plant room. The installation took place in April 2024, taking a total of 1 hour.

## Energy Savings Guarantee:

Prior to installation, our initial savings report suggested a 15 - 20% reduction in gas consumption for The Devon Chamber of Commerce. It was guaranteed that the savings would exceed 10% of the previous year's heating costs.

## Monitoring Sytem:

Under the terms and conditions, the Client provides their monthly energy usage data, which is adjusted for degree days to remove ambient weather effects. The data for each month is compared to the same month the previous year to provide a kWh of fuel per degree day, which is then compared to see the effect.

## Financial Benefits:

Based on the data collected between April 2024 and June 2025, the Chamber of Commerce has seen a reduction in kWh per degree day of 21% representing a saving of £546 over a year and a return on investment of 66.85%

**21%  
Saving**

**1.175 Tons of  
Carbon  
Saved**

## From Clare Baker, Devon & Plymouth Chamber of Commerce:

"With our strategic priorities being People, Purpose and Planet, we were excited when OH4 Heating joined the Chamber of Commerce and showed us Steve's energy and cost savings solution. Perfect in its simplicity, effectiveness and accessibility to all, both in a business and residential setting. Steve has been great to work with, giving regular updates on outcomes and is quick to respond. We have been delighted with the savings to date. Not only does a reduction in costs mean we can invest that money back in our members, but it is also helping to reduce our energy usage and footprint on the planet."