



OH4 ENERGY SAVING CASE STUDY:

ONE HOTEL, MAYFAIR

2026.06.22 V2



One Hotel, Mayfair, is a luxury hotel located on Berkeley Street in central London. It is eco-conscious and considered an urban oasis. Known for its biophilic design, the property features a striking living facade containing over 1,300 plants. It features more than 180 nature-inspired rooms, a spa, and a Michelin-star restaurant. In line with their carbon reduction and net zero goals, One Hotel was keen to explore OH4 as a potential solution.



Total Savings: 14.4%

The Challenge:

The Client's annual consumption of gas prior to the installation of OH4 was **427458.63 m³**, representing **392.5 tonnes of carbon** being emitted each year at a cost of **£283,960 per year**. This represents a significant direct carbon emission that could be reduced in order to meet their already robust carbon goals. In line with their sustainability and cost reduction targets, they were keen to explore the OH4 Energy Saving as a potential solution that does not require extensive investment in new equipment.

The Solution:

After a short site visit, it was agreed that OH4 would be installed at the premises. 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 January 2026, taking a total of 4 hours.

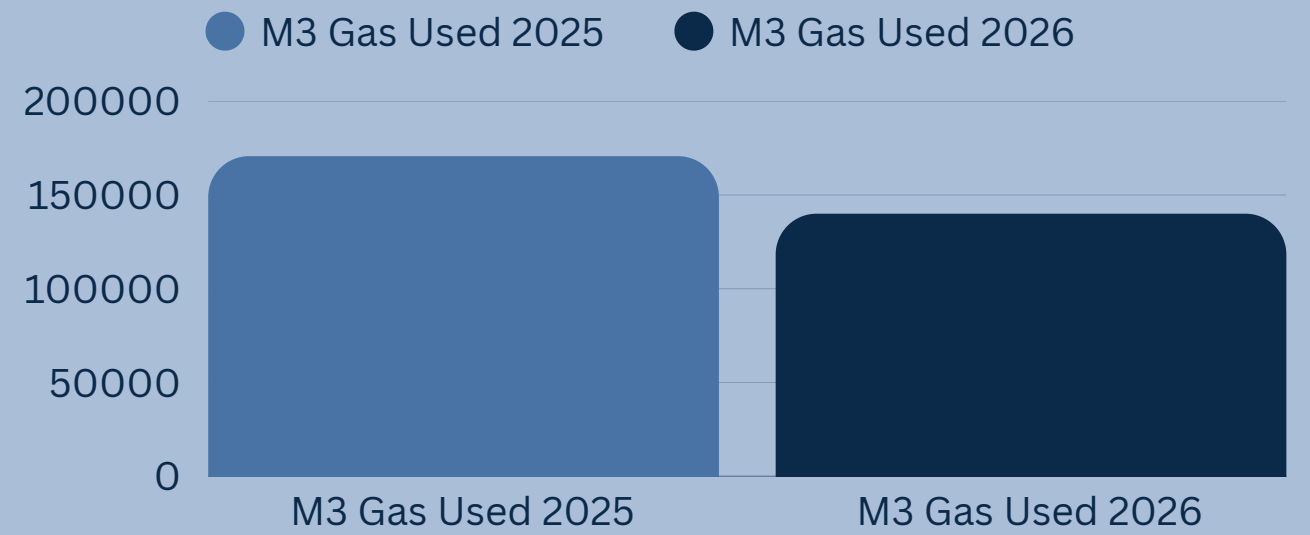
Financial Benefits:

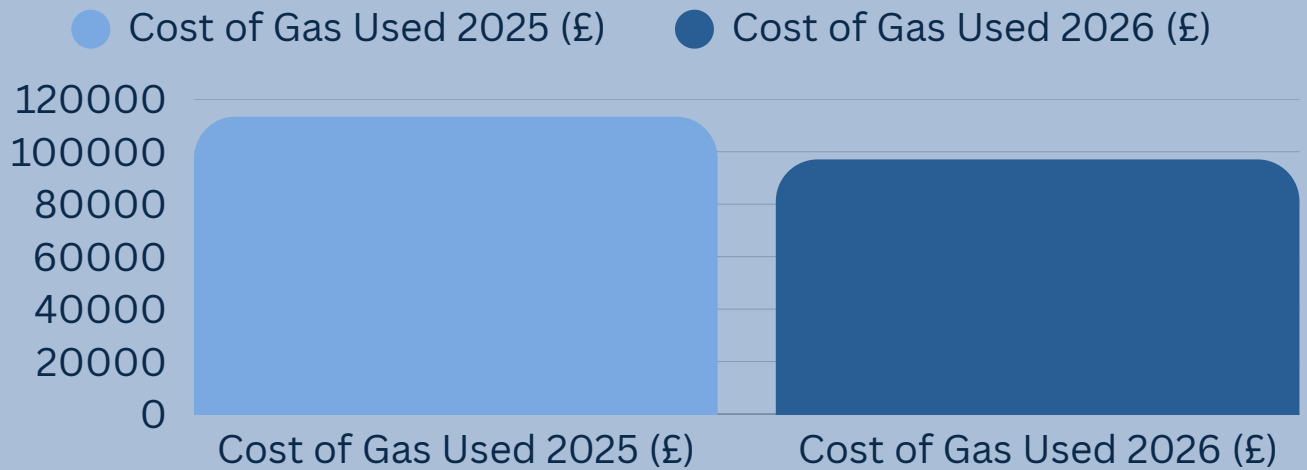
The data shows a reduction in gas usage of **18%**. The Data has been adjusted for ambient weather conditions, which were warmer and significantly wetter this year compared to last year. This resulted in a **weather-adjusted saving of 14.4%**. This represents a saving of **£16,330.35 since installation**. All figures are excluding VAT.

Carbon Saving:

In addition to monetary savings, One Hotel Mayfair has reduced its CO2 emissions from its heating system. They have seen a reduction of **22,571kg in three months**.

Date Range	2025	2026
M3 Gas Used	170713.87	140003.26
Degree Days	889.5	852.2
Adjusted M3 Gas Used	170713.87	146131.07
Cost of Gas Used (£)	113405.22	97074.87





Given the price increases due to political events the cash savings will become much greater thereby increasing the return on investment provided by OH4. OH4 look forward to working with One Hotel Group to build improved resilience across their estates.