



## Problem

Nuffield Health is continuously looking at ways to improve the energy efficiency of their sites. GTE was tasked with looking at the potential for a Heat Recovery solution at their Hertford site, with a view to then replicating the success across the estate.

## Solution

GTE looked at the existing plant and operation of the site and installed a bespoke Geysers Heat Recovery System at a cost of £19,700.

The heat recovery system has automatic controls and is designed to be retro-fitted, ensuring the existing plant onsite remained unchanged. As the controls remained the same there was no retraining required and there was no down time at the site during installation.

## The Result

Thanks to Geysers' heat recovery system, the wellness centre has reduced its energy intake by over 200,000 kWh in just 15 months, with typical cost savings of over £800 per month. The energy removed by the Carrier chiller is being used to pre-heat water for the showers instead of being discharged to air. The saved gas alone is enough to heat over 5,000 litres of water every single day.

The solution has not only saved Nuffield Health a substantial amount of money but has also decreased carbon emissions by 56.8 tons in 15 months.

After operating for 15 months, the Geysers heat recovery system saved:

**52,500 kWh electricity**

**159,000 kWh gas**

**56.8 tons CO<sup>2</sup>**

**£12,180 savings per annum**

**< 2 year return on investment**