

INTERACT FOR HEALTHCARE

BACKGROUND

Tight budgets often mean many healthcare providers delay or avoid IT hardware refreshes. This can lead to poor performance and higher costs due to servicing hardware beyond its optimum use.

Machines made prior to 2015 – when CPU efficiency gains levelled off – can be inefficient, leading to both energy and financial costs. Not only is more electricity used for the processes they carry out, but more machines are also required for a given workload. The knock-on effect of this is increased spend on cooling equipment, a poorer PUE (Power Usage Effectiveness) score, and more space taken up in the building.

To avoid this, the systems responsible for the highest amount of energy wastage should be identified and addressed on a rolling basis. This is the approach we took with a UK-based healthcare provider in 2021.

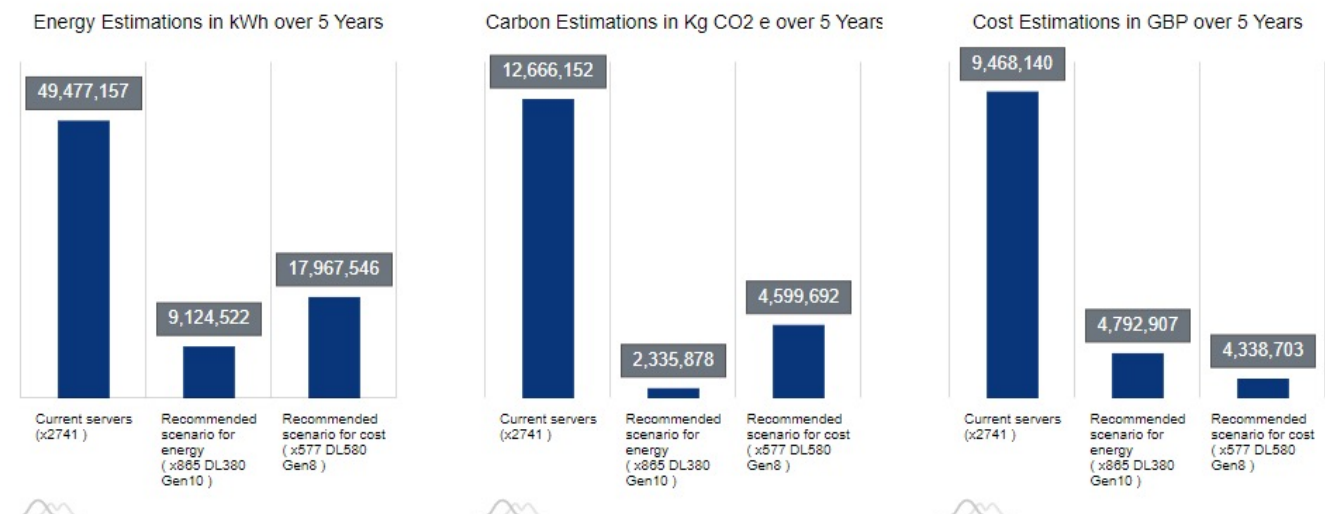
HOW DID WE HELP?

Using the Interact tool, we were able to analyse the data centre’s 2700+ machines to identify the low performers and suggest vendor-neutral upgrade options. Because the majority were produced prior to 2010, they were ideal candidates for refresh. We delivered two sets of recommendations: one optimised for cost and the other for energy use.

WHAT WAS THE IMPACT?

The image below shows the absolute figures for savings on energy use, Scope 2 carbon emissions, and costs for each suggested option compared to the current servers.

Summary of Recommended Server Refresh Scenarios:



	Energy saving recommendation	Cost saving recommendation
Servers required (compared to original 2,741)	865	577
Energy saving	40,352,635 kWh	31,509,611 kWh
Emissions from energy (Scope 2)	10,330,274 kg CO2e	8,066,460 kg CO2e
Emissions from the supply chain (Scope 3)	797,530 kg CO2e	531,994 kg CO2e
Cost saving	£7,413,178 GBP	£6,375,757 GBP

In both instances, Scope 3 emissions could also be cut by opting for refurbished models of the servers. Additional carbon savings like this are particularly useful to companies that need to report on carbon footprint and demonstrate progress on reductions, such as those eligible for Streamlined Energy and Carbon Reporting (SECR).

To find out what we can achieve for you, [contact us](#).

Address

Unit C1, Crimple Court, Hornbeam
Square North, Harrogate, HG2 8PB

Web&Email

www.interactdc.com
info@interactdc.com