



EQUANS NHS ZERO

Sustainable solutions for a carbon-neutral NHS



WHAT IS NHS ZERO?

As Britain's largest employer, responsible for around 4% of the nation's carbon emissions, the NHS has a major role to play in meeting the country's climate goals. In its strategy, it has set itself a challenging target of reducing direct carbon emissions to net zero by 2040, with an ambition to reach an 80% reduction by 2028 to 2032. It also has an additional target of reducing emissions in its wider supply chain to net zero by 2045.

NHS Zero is the innovative carbon-reduction solution offered by

EQUANS to help NHS estates meet these challenging targets.

Through NHS Zero, we combine our sustainable energy expertise with our facilities management capabilities to save energy, promote sustainability and cut carbon emissions.

We benchmark current emissions, plan comprehensive decarbonisation measures and investments, and implement effective actions over the long-term to achieve the ultimate net zero objective.

We recognise the particular challenges faced by the NHS in reducing energy use and

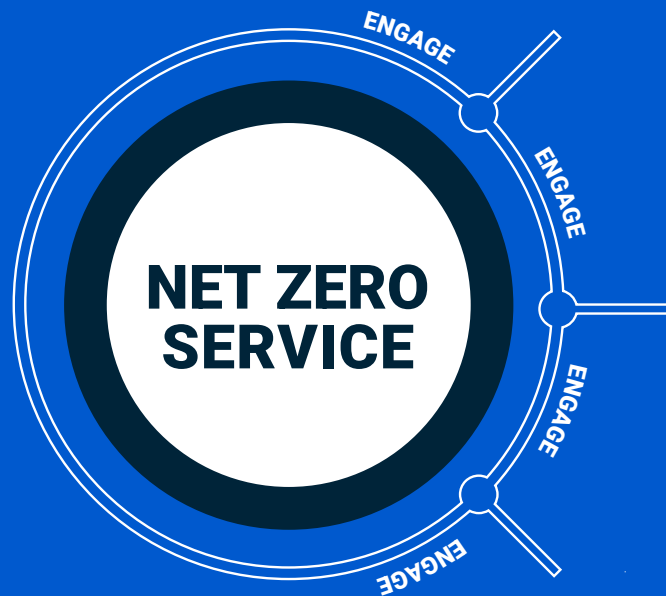
eliminating carbon emissions from its operations, extensive estates and facilities, historic infrastructure, the many medical devices and equipment required to deliver its services, and complex pharmaceutical supply chains.

Our approach involves working in partnership with individual Trusts to achieve the decarbonisation targets set as part the NHS Net Zero commitment. Our solutions, expertise and ongoing support enable the NHS to respond to the health emergency posed by climate change – and create a health service that works in harmony with the planet to improve health and wellbeing for future generations.



HOW DOES THE **PROCESS WORK?**

We follow the PAS 2060 framework to decarbonisation, which involves analysing emissions, developing fully costed plans, and implementing targeted solutions to achieve net zero carbon.



Click on the green areas to read about each stage of the process



HOW DO WE DELIVER NET ZERO CARBON?

Achieving net zero requires a coordinated programme of actions to tackle the sources of carbon emissions across your estate and supply chain. In partnership with you, we adapt your buildings and assets, refine your operational processes and introduce sustainable sourcing. We determine the optimum approach and implement a manageable programme for your estate.

Decarbonisation involves initially maximising energy efficiency, without compromising the operation of essential medical equipment.

Where possible, we recommend upgrading existing equipment and assets with low carbon technologies. We also look at energy sourcing, helping you procure electricity from

renewable sources, or installing on-site renewable generation systems.

We help to manage capital investment programmes by connecting you to appropriate sources of funding, whether public-private partnership, third-party funding or public grant schemes. EQUANS also provides direct funding for capital investments, with repayments made directly from the savings achieved or from the sale of surplus site-generated electricity to the grid.

At the planning stage, we can provide clear whole-life cost calculations for every scheme we propose, along with guaranteed return on investment figures – so you can properly assess the financial implications, carbon savings and long-term benefits to the NHS.

SOME OF THE MEASURES WE MAY IMPLEMENT INCLUDE:

Replacing steam infrastructure with low temperature distribution networks to allow the transition to low and zero carbon heating systems.

Converting heating systems to run from electric heat pumps, hydrogen boilers or biogas-fuelled combined heat and power plants.

Installing SMART building sensors to optimise building assets and ensure unoccupied areas are not heated or illuminated unnecessarily.

Improving building fabric such as insulation and replacing old windows and doors with energy-efficient glass – reducing reliance on heating and air conditioning to control temperatures.

Installing solar panels to directly supply hospital premises.

Providing electric vehicle charging points for ambulances, staff and visitor vehicles.

Securing the best deals on 100% renewable energy supplies.





SET YOUR SIGHTS **ON ZERO?**

**To begin your journey to net zero with
EQUANS please contact us today:**

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