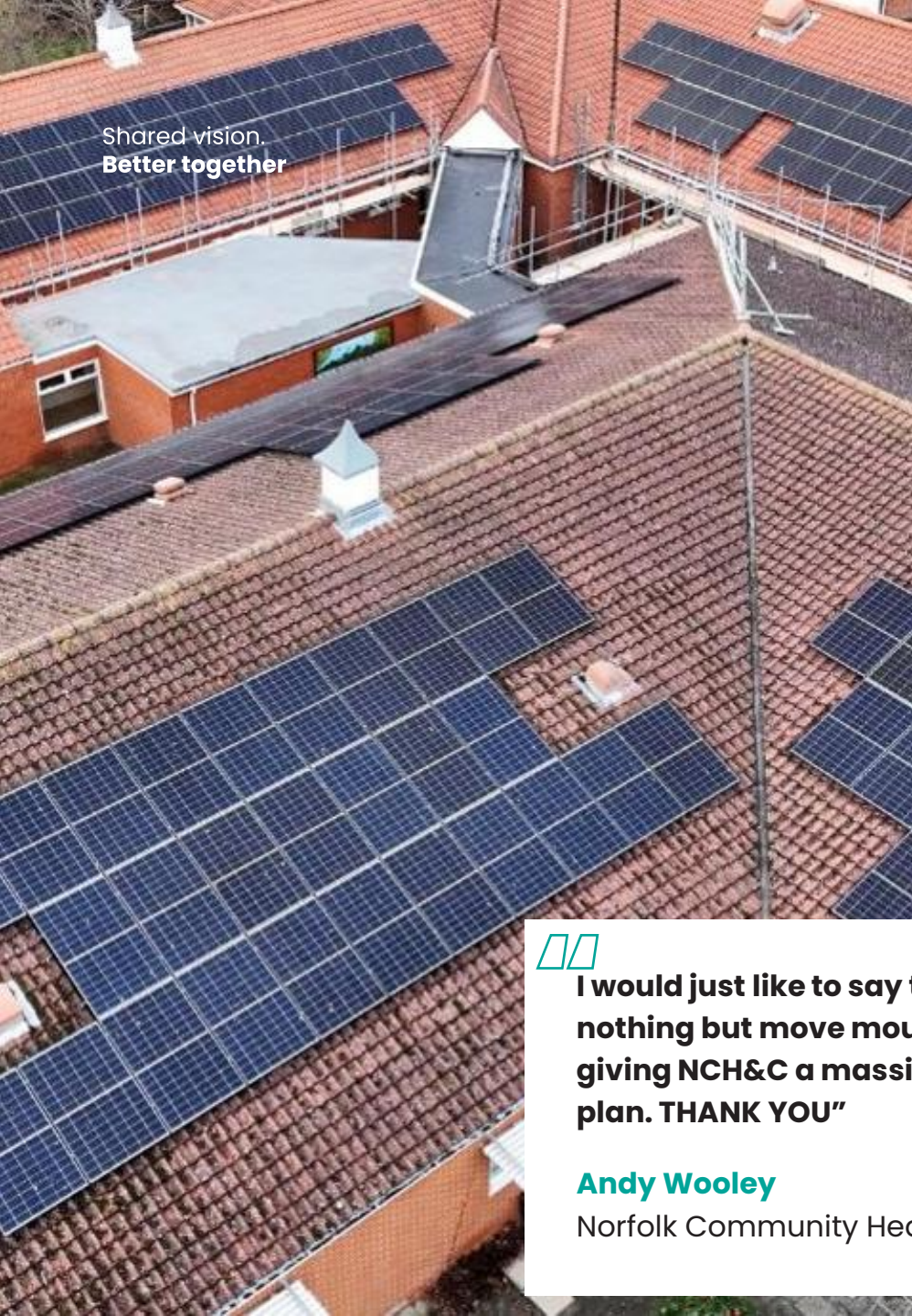




Shared vision.
Better together



Shared Business Services

» CASE STUDY

Solar Panels Installed at Norfolk Community Health & Care NHS Trust

Carbon3 partnered with Norfolk Community Health & Care to deliver rapid solar deployment across seven hospitals.

The NHS Shared Business Services (NHS SBS) Decarbonisation of Estates Framework Agreement provided a procurement route that ensured all installations could be completed within Great British Energy funding deadlines.

Installed Solar PV offers Norfolk Community Health and Care NHS Trust (NCH&C) a practical way for the Trust to reduce daytime operating costs, increase energy security and move closer to its net zero commitments.



I would just like to say that the team at Carbon3 have done nothing but move mountains over the last few weeks and giving NCH&C a massive boost in their decarbonisation plan. THANK YOU"

Andy Wooley

Norfolk Community Health & Care NHS Trust

www.sbs.nhs.uk

THE CHALLENGE

Hospital installations are among the most complex environments for solar installations.

Great British Energy funding requires all installations and Distribution Network Operator (DNO) approvals to be completed within tight timeframes. Due to this, NCH&C decided to direct award Carbon3 through the Decarbonisation of Estates Framework Agreement.

Many hospital sites have operational challenges, including infrastructure such as helipads, where glare from panels could disrupt emergency operations. Essential services and critical equipment must remain fully operational throughout construction, so noisy or intrusive works require precise scheduling and close coordination with clinical leads.

The tight turnaround also meant Carbon3 needed to deliver surveys, design, structural assessments, procurement, installation, and commissioning quickly. Each hospital also had unique structural constraints, varied roof conditions, and different load-bearing requirements that needed to be addressed before installation could begin.



» THE SOLUTION

Carbon3 developed a Trust-wide delivery plan that allowed installations to proceed safely, efficiently and with full clinical cooperation.

The Decarbonisation of Estates Framework Agreement provided NCH&C with a flexible approach but in keeping with PAS 2038 and leading health and safety standards.

Installation time ranged from one to two weeks for most hospitals, with the longest site completed in six weeks due to the system size. This concurrent programme ensured all sites remained on track for the NCH&C's end of December deadline, with the first install starting on the 18 November, and the final install completed by the 23 December.

Across the estate, Carbon3 installed the following capacity:

- Norwich Community Hospital at 355.5 kWp
- Colman Hospital at 103.5 kWp
- Dereham Hospital at 112.5 kWp
- Kelling Hospital at 108 kWp
- North Walsham Hospital at 94.5 kWp
- Swaffham Hospital at 46.35 kWp
- St James at 44.55 kWp

Each system was designed to maximise daytime self-consumption, reduce operational spend and provide long-term reliability.



» THE RESULT

The Trust now benefits from savings of over £240,000 a year on their energy bills, as they use energy heavily during daytime hours when the solar is producing the most energy.

This reduces the financial burden on NCH&C and allows more of the Trust's budget to be directed towards frontline care. Solar PV also provides predictable, long-term savings that support financial planning during a period when energy costs are highly unpredictable.

These systems contribute directly to the NHS net zero strategy and demonstrate leadership in sustainable healthcare. The installations reduce carbon emissions across the NCH&C estate by approximately 218 tonnes per year, and improves energy resilience, enabling hospitals to operate more reliably during periods of grid strain.

Because all systems were delivered with minimal disruption and full compliance with safeguarding, emergency access, and service continuity requirements, staff and clinical teams were able to maintain usual operations throughout.

To find out more about Carbon3, contact info@carbon3.co.uk. To learn about NHS SBS's framework agreement, contact sbs.hello@nhs.net

» SUMMARY

- NHS SBS Decarbonisation of Estates Framework Agreement utilised for speed of procurement
- 1,007.10kWp total system size installed across 7 live sites while operational
- 218 tonnes of carbon emissions offset every year
- £240,000+ total cost savings per year