

SUSTAINABILITY AND THE CIRCULAR ECONOMY IN THE NHS

Academy for Healthcare Science Webinar

Thursday 9th October 2025

12:00 – 13:20

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Overview

Continuing our AHCS Webinar Series, we are now focusing on sustainability in healthcare within our NHS. We are delighted to present two speakers at the cutting edge of sustainability.

Alexandra Hammond, a highly respected and influential scientist and procurement expert from NHS England, will present the current successes, challenges and ethical issues in procurement for the NHS at a national level. We shall also hear about the wider supply chain delivering an 80% reduction in emissions by 2036-2039 and Net Zero by 2045.

Our second speaker is **Dr Hammad Jeilani**, co-founder and Medical Director of Apian Limited, a healthcare logistics company using drones. Hammad is a highly accomplished professional with extensive experience in the medical and entrepreneurial sectors. We shall be informed of the benefits of drones to deliver pathology samples to a central laboratory facility or medication between hospitals cheaper, faster and in a more carbon efficient manner.

After our 30-minute presentations, there will be time for questions, comments and discussion, since we believe this is where others can adapt their technology and ideas for their own commitment to a sustainable healthcare system. We hope that this webinar stimulates your appetite to engage in a sustainable environment for your national health service.



Programme



Chair

Professor Stephen O'Connor

Professor Stephen O'Connor FEng, Visiting Professor in Biomedical Engineering, Royal Academy of Engineering and City St George's, University of London



Alexandra Hammond, Associate Director, Net Zero and Sustainable Procurement, NHS England

Sustainable procurement in healthcare at national level

Alexandra is Associate Director, Net Zero and Sustainable Procurement, at NHS England, where she leads the team responsible for delivering a net zero Carbon Footprint Plus for the NHS. She was recognised in 2024 as being the 5th most influential woman in procurement by 'Procurement Magazine'.

In 2020, the NHS became the world's first national health system to commit to become 'carbon net zero'. Carbon Footprint Plus includes the NHS' wider supply chain, aiming for an 80% reduction in emissions by 2036-2039 and Net Zero by 2045.

Following the release of the 'Delivering a Net Zero Report', Alexandra has led the development and implementation of the NHS' world-leading programme. She was instrumental in the publication of the Net Zero Supplier Roadmap for the NHS and works across the diverse and complex NHS supply chain to deliver net zero carbon, drive social value and eradicate modern slavery across the supply chain.

Before joining NHSE, Alexandra led on the strategic and operational implementation of green plans for NHS organisations across the country, as well as some of the largest decarbonising infrastructure projects in the health sector, enabled by procurement frameworks.

Alexandra holds a Master's degree in Environmental Policy from Edinburgh University, she graduated with honours from Boston College in the USA, holds a fellowship with the Energy Managers Association and has previously led the award-winning sustainability programme at Guy's and St Thomas' NHS Foundation Trust.





Dr Hammad Jeilani, Co-founder and Medical Director of Apian

Sustainability in the NHS using drones

Dr. Hammad Jeilani is the Co-founder and Medical Director of Apian, a logistics startup using drones and robotics to deliver faster, smarter and greener healthcare. Their mission is to build the NHS autonomous delivery network to instantly deliver medical supplies to hospitals and homes. Apian builds software, deploys hardware and partners with world-leading drone operators, robotics suppliers and ground couriers to make medical logistics invisible and intelligent. Most recently, Apian received a first-of-its-kind regulatory approval to conduct daily drone deliveries between Guy's and St Thomas' Hospitals with plans to expand across London already underway. Hammad is passionate about tackling healthcare inequalities and improving sustainability through innovation, having completed his Master of Science degree on Health and International Development at LSE.

Questions and Answers Session

Following the two presentations, there will be time for questions, comments and discussion, since we believe this is where others can adapt their technology and ideas for their own commitment to a sustainable healthcare system.

Within this section of the session, attendees will be able to ask questions through the chat function or verbally via their microphone should they have one.

