



WELCOME TO

The NHS Estates & Facilities Conference 2023



Wednesday 1st March 2023 - 10:50am – 15:00pm – Hatfields Conference Centre, London

Conference hosted by Convenzis Group Limited

A top-down photograph showing several hands of different skin tones cupping dark soil and small green seedlings, symbolizing environmental care and growth.

Our Commitment to the Planet

For Each Delegate Attending Our In-Person Event Today, we will be planting 1 tree with our Key Sustainability Partner



PLAY IT GREEN



Slido

Please scan the QR Code on the screen. This will take you through to Slido, where you can interact with us.



Wednesday 1st March 2023 - 10:50am – 15:00pm – Hatfields Conference Centre, London
Conference hosted by Convenzis Group Limited

Event Day Overview



Morning Networking: 10:40am – 11:40am

Lunch & Networking: 13:15pm – 14:05pm

Drinks Reception: 16:00pm – 15:00pm

The event is CDP accredited and your points will be sent within around 6 weeks of the event date.



The NHS Estates & Facilities Conference 2023



Event Chair – Opening Address



Nicola Theron

Director of Estates
North Central London Integrated
Care System

The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Nicola Theron

Director of Estates

North Central London Integrated Care System

I will be discussing...

“Collaboration & Partnership
within the ICS & with the
private sector - A CDC case
study at Wood Green
Shopping Centre”



**CAPITAL &
REGIONAL**



**Wood Green
Community Diagnostic Centre**

Wood Green Community Diagnostic Centre

Doing things differently to support
Collaboration and Partnership

Nicola Theron, Director of Estates NCL ICS





Wood Green
Community Diagnostic Centre

Working in partnership to deliver the
Wood Green Community Diagnostic Centre —
doing things differently





Working in partnership differently



Using spaces and building differently



Delivering services differently

Improved
patient
access to
diagnostic
tests



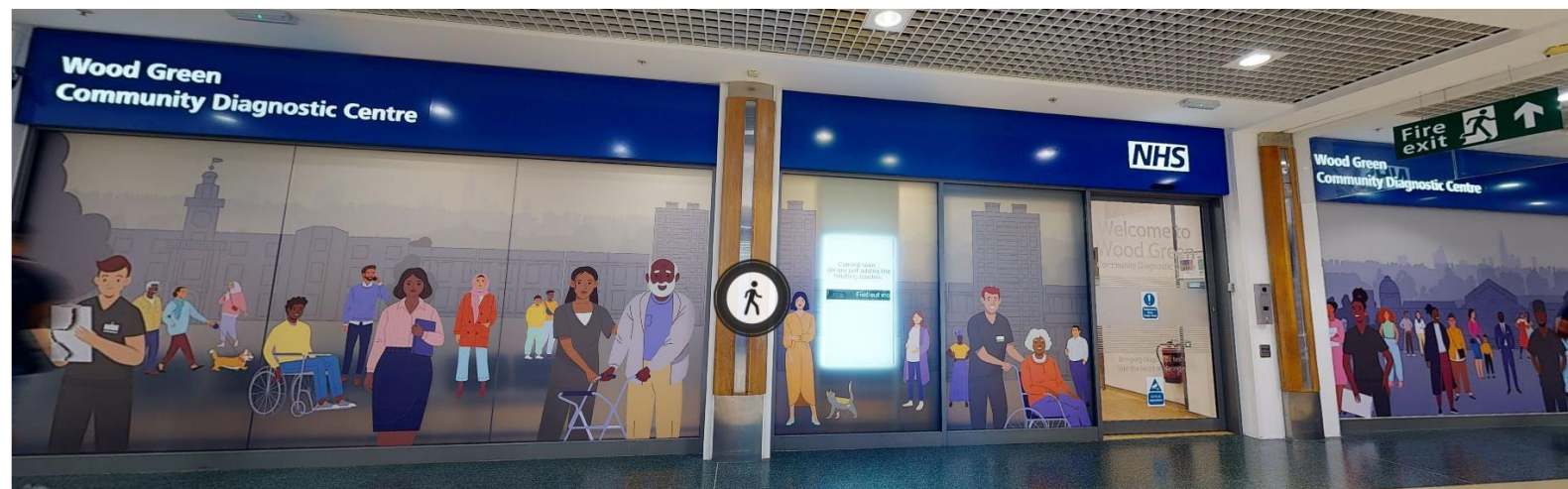
Working in partnership differently



Using space and building differently



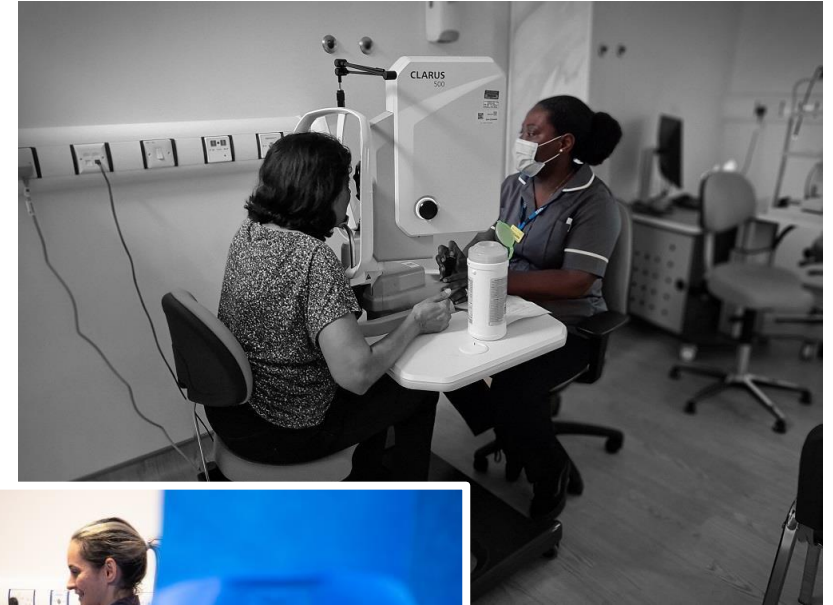
- Two shop spaces converted into a diagnostic facility in the middle of a community shopping centre
- Project delivered on time and on budget
- First patient through the door, eight months after works started on site

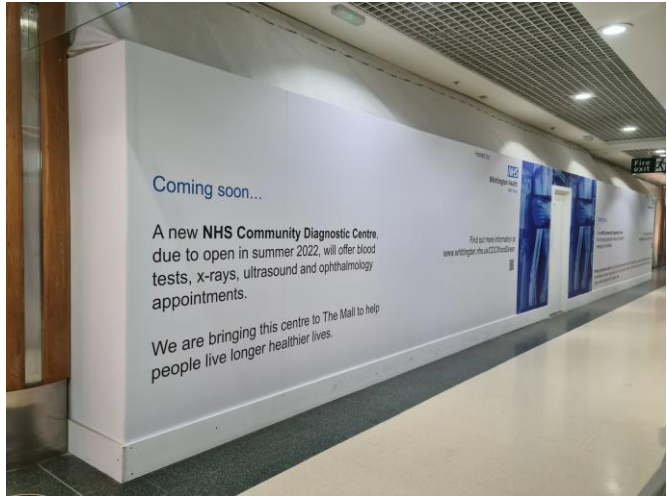




Delivering NHS services differently

- First dedicated diagnostic facility in the borough
- Over 7000 people seen since August 22 opening
- The CDC is closer than the neighbouring acute sites for 30 out of 40 GP practices in the borough
- Tests done earlier, quicker and results delivered faster





Thank you for listening



The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Dr Gemma Jerome FLI

Director
Building of Nature

I will be discussing...

“How green infrastructure
can deliver NHS strategic
priorities for sustainability
and patient-centred
design”



Building
with Nature


NHS Estate and Facilities Conference 2023

info@buildingwithnature.org.uk

Dr Gemma Jerome, Building with Nature Director



How can NHS Estates
utilise green infrastructure
to deliver on
Sustainability, Net Zero &
patient-centred design?



Green
infrastructure =
Nature as design

High-quality green infrastructure
can help to define **sustainable
spaces**

to secure **longevity** of wellbeing
for **humans** (*and more than
humans*)

in an **age** characterised by
uncertainty

Green infrastructure = critical infrastructure

Green infrastructure (GI) is a network of multi-functional green features, integrated into the built-environment, that enhance biodiversity, provide connectivity, support climate resilience, promote better public health and increase community wellbeing.

GI is not simply an alternative description for conventional green and open space, high-quality GI stacks and optimises multiple key functions, which in turn support a range of benefits including protecting and enhancing natural habitats, delivering environmental gains, creating inclusive and accessible places, integrating nature-based water management solutions and contributing to place distinctiveness.



Green infrastructure components

GI components include green features: parks, open spaces, allotments, private gardens, street trees, woodlands, ecological habitat, soils, and integral built-environment features such as green roofs and walls, bee bricks, bird and bat boxes, soils, and blue features such as rivers, streams, ponds and Sustainable Drainage Systems (SuDS) e.g. swales, raingardens and permeable paving.



Drivers for change – Government legislation

Climate emergency + Ecological emergency are two sides of the same coin:

GI supports resilience to extreme heat, offers shading and cooling for improved safety, health & wellbeing of communities.

GI optimises resilience to climate-related flooding & drought.

Habitat creation helps with climate response (adaptation and mitigation) e.g. green roofs and green walls help to regulate temperatures, address UHEI, and introduce a network of wildlife havens through towns and cities.

Environment Act (Defra) + Levelling Up & Regeneration Bill (DLUHC) both ask developers to address nature recovery, climate change, and access to nature:

Biodiversity Net Gain **MORE/BIGGER/BETTER**

Nature Recovery Networks & Local Nature Recovery Strategies
MORE CONNECTED

Nature on your doorstep **CLOSE TO PEOPLE**



Drivers for change – Carbon/Net Zero by 2050

GI can help you to positively responding to the climate emergency in 3 key steps:

- **mitigation** (reducing carbon) *e.g. urban cooling, sequestration.*
- **adaptation** (responding to carbon) *e.g. SuDS for flood resilience.*
- **climate + nature positive behaviours** *e.g. safe, green, convenient active travel routes for walking / cycling / scooting etc.*

Conclusion: Explore and exploit synergies between approaches that deliver climate-positive and nature-positive development simultaneously



Drivers for change – patient-centred design

GI can help you to positively responding to patient-centred design in 3 key steps:

- Accessible and high-quality greenspace for everyone to enjoy (patients + visitors + staff).
- Identify and reduce health + social inequalities at neighbourhood level; role of NHS in community.
- Address wider determinants of health at sub-regional level by addressing the links between built and natural environment (e.g. active travel routes to facilities, recognising role of air pollution in childhood asthma, mental health).

Conclusion: Focus on outcomes for people



Drivers for change – ESG/green finance

Good governance – delivering NHS ‘triple aim’

Transparent impact on society and the environment

Valuing Nature Services and Prioritising Nature-based Solutions

e.g. carbon storage from healthy forests, grasslands, wetlands can be greater than managed equivalents owing to greater soil depth, age & structural diversity; identify assets across your estates.

e.g. creating new features, such as pocket parks or green roofs, which are well-located and well-managed can contribute to urban cooling, storm-water management, and bring mental + physical health benefits even when features are small-scale.

Conclusion:

Protecting + restoring valuable existing features can cost less and save more carbon. Even small-scale interventions matter.



Making nature-friendly estates a reality

Accessible

Inclusive

Enjoyable





Preventative *and* restorative

The BwN Standards Framework 2.0

12 quality Standards providing a definition of high-quality green infrastructure

CORE



WELLBEING



WATER



WILDLIFE



Our Standards Board



The Building with Nature framework is overseen by our Standards Board, comprised of key professional bodies, leading experts in green infrastructure and representatives from industry and government across the UK.



Building with Nature Awards

We offer Awards at both pre- and post-construction stages, to highlight what good looks like at each stage of the green infrastructure lifecycle.

Schemes which are signed off post-completion, will be invited to apply for a Building with Nature National Award.

OUTLINE planning application	RESERVED MATTERS & FULL planning application	CONSTRUCTED schemes with FULL AWARD
		

We also accredit policy documents to confirm local authorities have clearly defined their requirements for high-quality green infrastructure.





Forth Valley Royal Hospital and Larbert Woods

“Forth Valley Royal Hospital and Larbert Woods is a national exemplar for demonstrating what is possible when a shared vision between ambitious and committed partners is delivered with fastidious attention to the detail set out by the professionals responsible for protecting and enhancing landscape quality in the early stages of design.

The partnership between NHS Forth Valley, Forestry Commission Scotland and Nature Scot, and the commitment to quality from RaeburnFarquharBowen landscape architects at each stage of delivery, has resulted in the delivery of an exceptional medical facility in a high-quality landscape setting.”

Case Study materials



 Building with Nature

Forth Valley Royal Hospital and Larbert Woods

 Building with Nature
FULL

 Building with Nature
National Award

Development Name: Forth Valley Royal Hospital and Larbert Woods

Location: Larbert, Scotland

Type of project: Community infrastructure

Applicant: NHS Forth Valley

BwN Assessor: Sheena Raeburn, RaeburnFarquharBowen

BwN Award: Full (Excellent), National Award 2020

Key Stakeholders: Forestry and Land Scotland, Green Action Trust, Maggie's Centres, Falkirk Council



<https://www.buildingwithnature.org.uk/indexw>



Hear direct from NHS stakeholders on the benefits
of estates which work for people and wildlife



Quality vs Quantity

Quality underpins functionality at each stage of the development process, from concept, through to construction, and long-term stewardship of development.

BNG assists the development process by raising the baseline for a development's measurable contribution to nature. For habitat creation/enhancement to optimise benefits to both people and wildlife, both quantity *and* quality must drive the design green infrastructure.

A photograph of a modern residential development. In the foreground, there is a wooden walkway and a glass railing overlooking a central water feature. The water is calm, reflecting the surrounding buildings and trees. In the background, there are several modern buildings with dark facades and light-colored accents, interspersed with trees and green spaces. The sky is overcast.

Context is key - every site is different

Green infrastructure adds ecological & social value to your estates, whatever type/scale of development.

A nature positive approach builds in climate resilience & nature recovery, bringing benefits to people, wildlife, and the wider environment & economy.



Thank you





The NHS Estates & Facilities Conference 2023



UP NEXT



The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Simon Hayman

Regional Director
Bouygues Energies & Services

I will be discussing...

“Futureproofing NHS
Estates through
Collaboration and
Partnership”

Future-proofing NHS Estates through Collaboration and Partnership

Simon Hayman, Regional Director,
Bouygues Energies & Services

 axione



PART OF



Shared innovation

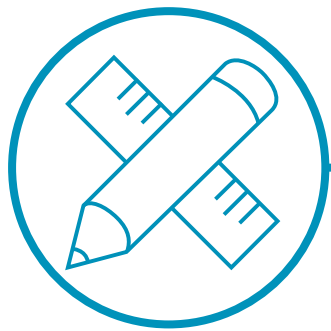
Contents

- 01** Introduction to Bouygues E&S?
- 02** Sustainability
- 03** Digital Transformation (Smart Hospitals)
- 04** Adaptability (Working in a live environment)
- 05** Delivering beyond the PFI

About Bouygues Energies & Services

Bouygues Energies & Services is a global leader in energy, digital and industrial transformation.

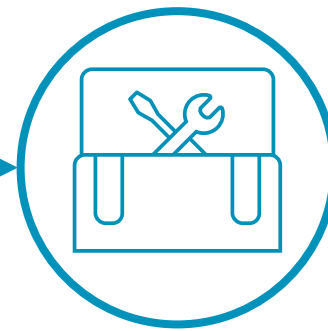
We provide distinctive design, build, maintenance and operation solutions through long-term partnerships with 12 Healthcare Facilities in the UK.



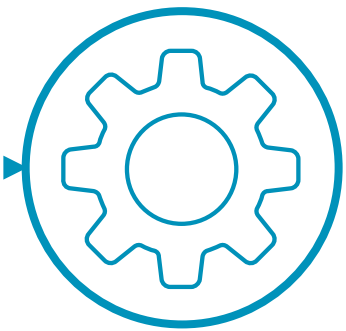
Design



Build

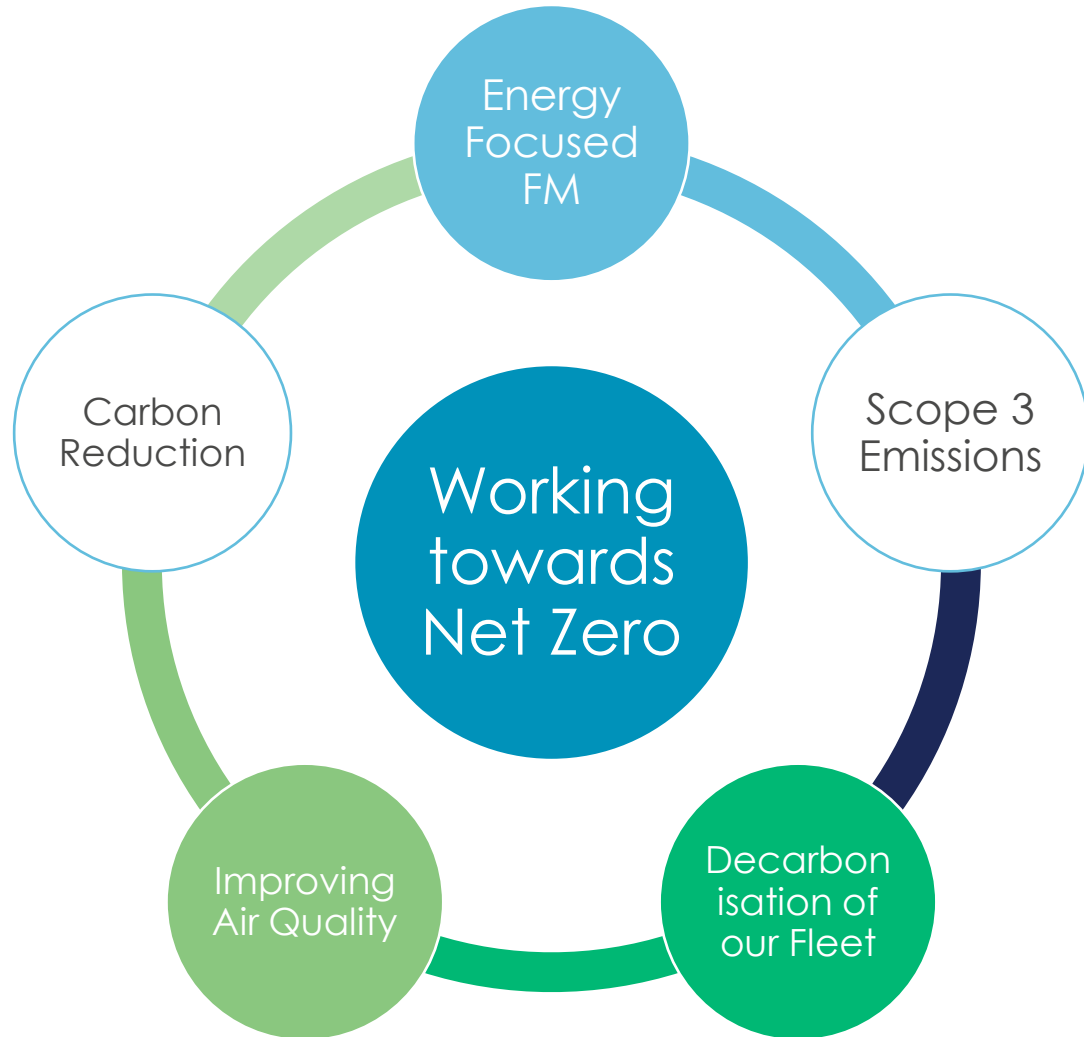


Maintenance



Operation

Sustainability



Actions

The Sustainable Facilities Management Index (SFMI) - Measuring Scope 3 emissions	Bouygues Energies & Services (UK) is supporting (SFMI) in developing contract level Scope 3 footprints.
Carbon Reduction Audits	Energy Focused FM Orbiter Technical Assessments Action Plans
RICARDO Air Pollution Footprint Pilot Scheme	Develop and implement a scheme for company reporting of air pollutant emissions
Electrification of Vehicles	30% of Vehicles Electric 2/3 Hospitals E-Cargo Bikes 70% of Hospitals with EV Charging Points
Decarbonisation of the Heating	District Heating Networks Heat Pumps

Digital Transformation

Smart Hospitals

- Integrating all clinical, building and IT systems together, enabling them to be interoperable and then creating automated workflows to improve both the patient and staff experience
- **Bouygues (UK) Ltd/Plan Group**
- **Bouygues E&S/Equans**

Humber River
Hospital



722 Beds

Mackenzie Vaughan
Hospital



367 Beds

Digital Transformation - Smart Hospitals



Integrated Bedside Terminals

- Empowers the patient experience by providing the ability to control the lighting and temperature as well as have video calls with nurses and educational / entertainment programs.



Room Sign Monitors

- These provide valuable information regarding the patient special needs and status of the room readiness.

Command Centre

- To Improve Patient Flow



Clinical Mobile Device

- Ensuring the right information, gets to the right people, at the right time, at the right place and in the right mode.



Adaptability

Working in a live environment

- Variations to deal with Health Inequalities & Patient Flow
 - North Middlesex University
 - Southmead
- Early Engagement
- Scope
- Mitigating Inflation Risk
- Procurement
- Strong Relationship with Suppliers
- Pay the Supply Chain on Time (69% through SME)



Adaptability

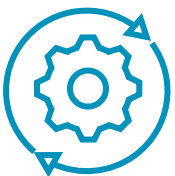
Collaboration



Design development – joint working group



Risk management – working in live environment



Project management – competency, experience, hit the ground running



Communication – liaison with stakeholders, SPV, user groups



Delivering beyond the PFI

Our Commitment



- Working alongside you every step of the way
- Actively seek to mitigate all and any risks to the NHS
- Collaboratively producing a route map
- Ensuring that you have all necessary and up to date documentation & information
- Working alongside the NHS, planning for future service provision, defining and procuring their Target Operating Model.

Thankyou



PART OF



Shared innovation

The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Simon Hayman

Regional Director
Bouygues Energies &
Services



Dr Gemma Jerome FLI

Director
Building of Nature



Nicola Theron

Director of Estates
North Central London
Integrated Care System



The NHS Estates & Facilities Conference 2023



MORNING BREAK



The NHS Estates & Facilities Conference 2023



Event Chair – Chair Morning Reflection



Nicola Theron

Director of Estates
North Central London Integrated
Care System



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UP NEXT



The NHS Estates & Facilities Conference 2023

Modern Methods of Construction (MMC) for refurbishment of existing Hospital Interiors

Ian Strangward
Architectural Wallsz
Managing Director

Wednesday 1st March 2023



“We have been building the same way for 200 years... but now assumptions are changing that will drive demand for automation, ownership, scalability, speed, and the need for zero carbon emission – all of these drivers are unprecedented in the construction industry.”

MCKINSEY & COMPANY
2020



PREFABRICATED INTERIORS

01

Renovation Challenges



A Drive to Prefabricated Solutions:

- Full fit-out solutions
- Segregation Pods (negative pressure rooms)
- Isolation Pods
- Med Gas Head Walls
- Integrated Plumbing modules
- Offsite construction will become mainstream



Prefabricated Interiors

- Clean and sustainable construction
- Rapid installation
- Cost effective
- Flexible, Adaptable and Future Proofing
- 10 Year warranty on materials
- Easy to install, disassemble and reconfigure
- Privacy of speech



SINGLE ROOMS

02

National Institute for Health and Care Excellence (NICE)

- 300,000 patients a year acquire an infection whilst receiving care within the NHS

Steps recommended to prevent transmission are:

- Set cleaning protocols
- Surfaces that resist contamination and are easily cleaned
- Physical barriers such as single patient rooms



Drive for Single Rooms

- Daily Mail article Oct 2022
- NHS Medical Director Stephen Powis said single rooms should be the 'default' as they boost privacy and infection control.
- 'We expect hospitals to consider a minimum of 50% single rooms when investing in new or refurbished hospitals'

Single rooms in hospitals are squeezing out the ward

NEW hospitals may have to be built with single patient rooms only in a bid to boost privacy and tackle infections.

It could mark an end to the hospital ward in which multiple patients occupy beds separated by curtains in one room.

Only half of rooms in new hospital buildings are required to be single patient only but chiefs at the New Hospitals Programme (NHP) are assessing whether to raise this to 100 per cent, according to a report by the Health Service Journal.

The move could see major design changes to the £3.7bil-

'Boost privacy and tackle infections'

lion government plan to build 48 new hospitals by 2030, as well as an estimated hike in costs of five per cent.

NHS England medical director Professor Stephen Powis last year said single rooms should be the 'default', as they boost privacy and infection control.

There are 57,248 single-patient-rooms and 1,676 isolation rooms out of 130,000 beds across health sectors.

A Department of Health spokesman said: 'We expect hospitals to consider a minimum of 50 per cent single rooms when investing in new or refurbished hospitals. Our team is consider[ing] a requirement for 100 per cent single rooms in new builds.'

Designing Generic Clinical Support Spaces (HBN 00-03)

- This note provides guidance on the design and layout of generic spaces such as bedrooms, consulting rooms and offices. It includes detailed drawings that show the ideal spacing and layout of rooms
- One of the main principles highlighted in the document is that rooms should be generic where possible to allow for flexibility in future use



Infection Prevention Materials

Five Surface characteristics to consider when selecting furnishes

1. Durability
2. Cleanability
3. Inability to support microbial growth
4. Surface Porosity
5. Absence of Seams



Space Planning

- Prefabricated solid walls are designed for new single rooms within an existing or new facility. Space can be limited and the corridor space for movement of beds and people becomes a logistical challenge
- Our design software exists to determine the gangway required for bed movements within a ward



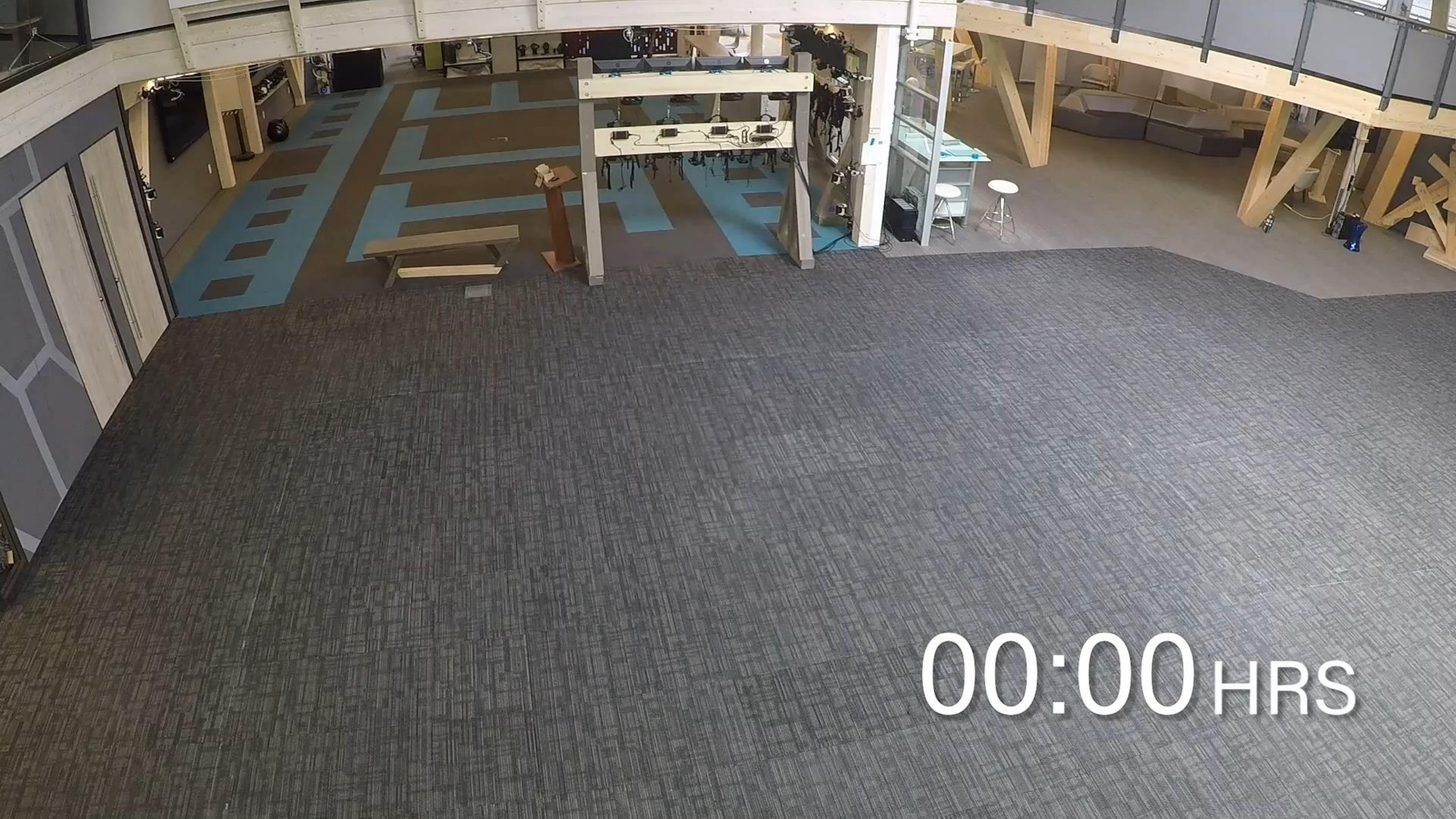
Sliding Door Design

- A great solution for space planning is a sliding door that creates a 1m opening for nurses and clinicians for entry in and out of the room
- When beds are required to move in or out of the room, the door is able to become a 'breakout' door and pivots to open
- The breakout door creates a 2m wide opening for bed transfers and makes the Pod easy to use in an emergency situation



SEGREGATION PODS

03



00:00 HRS

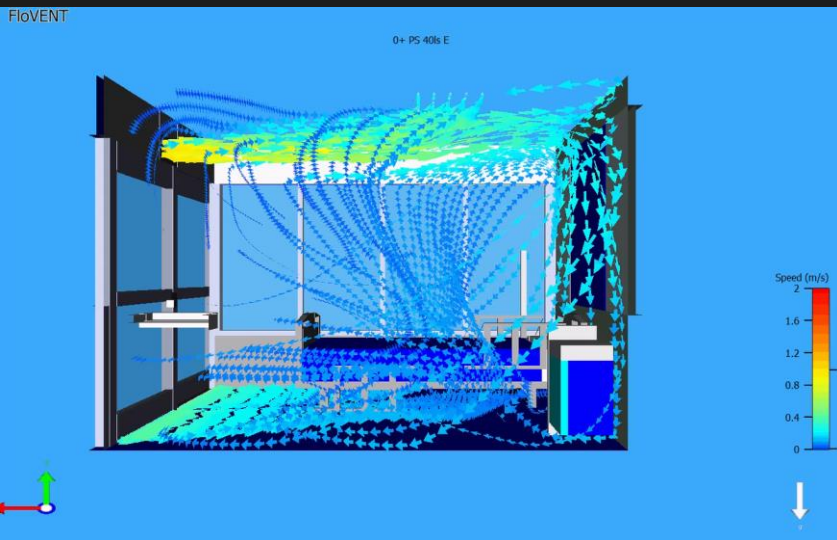
Ventilation Design

- Specialist Consulting Engineers are engaged to design the ventilation and filtration methodology
- For segregation Pods, designs comprise new dedicated HEPA 14 filters with extract fans independent of the Hospital ventilation system
- Segregation Pods will achieve a minimum of 10 air changes per hour and operate under negative air pressure at 5-10Pa

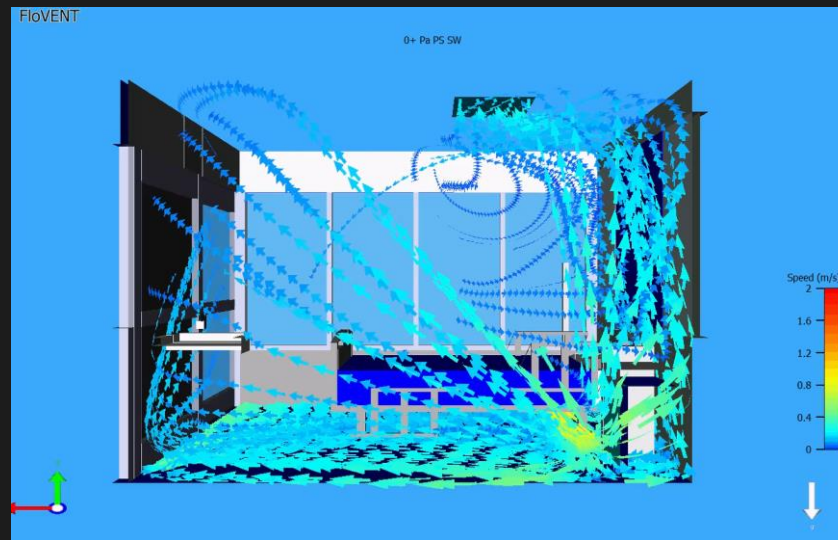




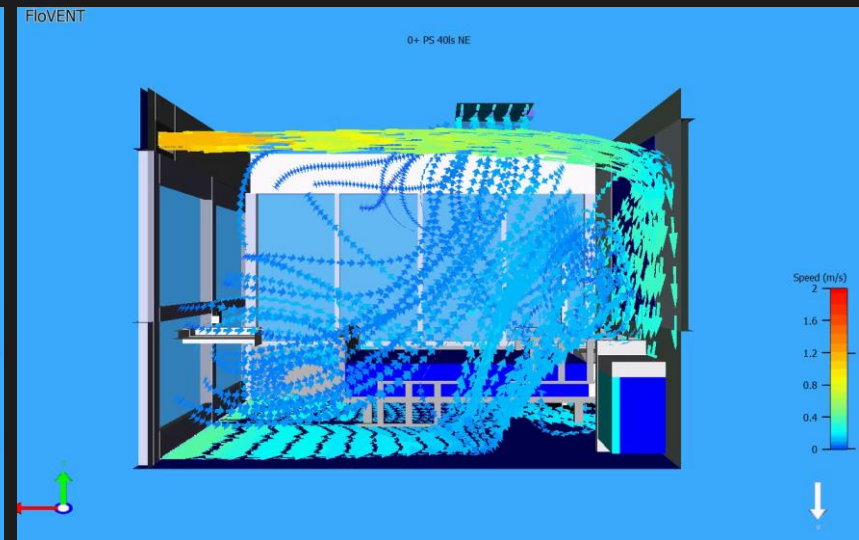
Example Segregation Pod used for Building Model



Ref 1: Pressure stabiliser central above the door

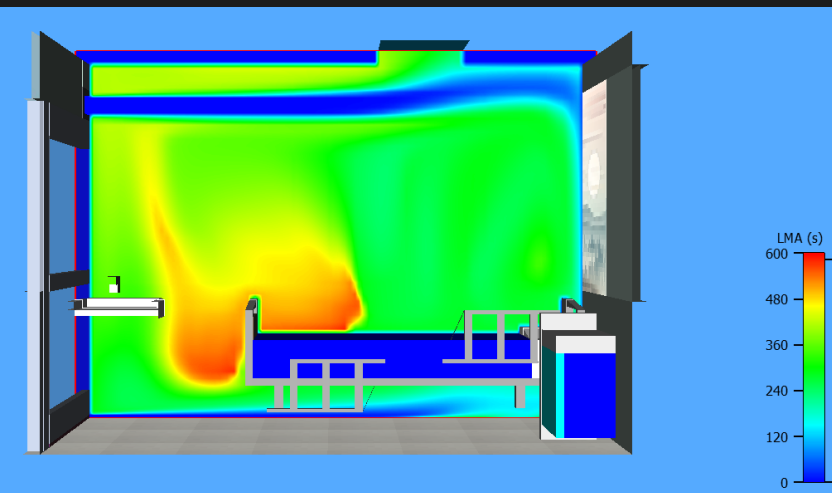


Ref 2: Pressure stabiliser low level through side of the pod

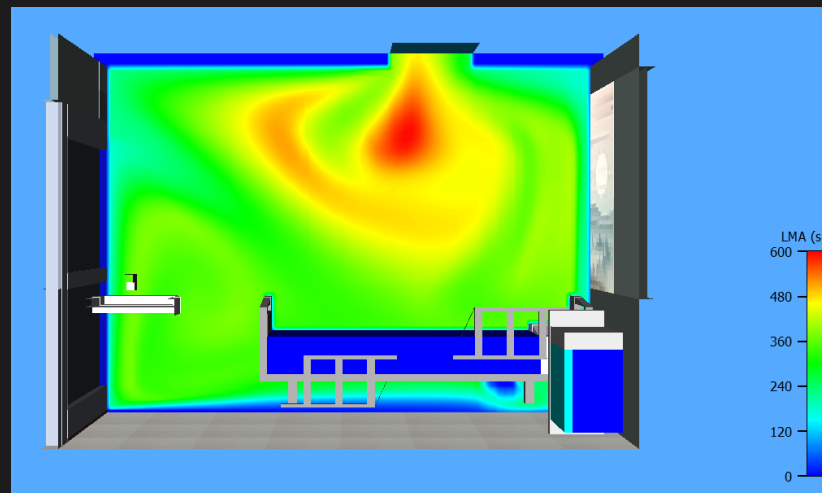


Ref 3: Pressure stabiliser in top corner of front wall

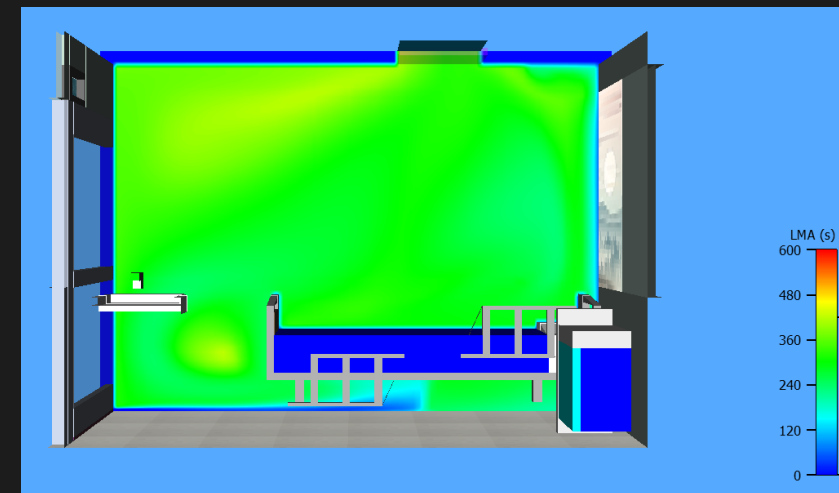
3D Vectors – 40 l/s through stabiliser and 19 l/s under the door.



Ref 1: Pressure stabiliser central above the door

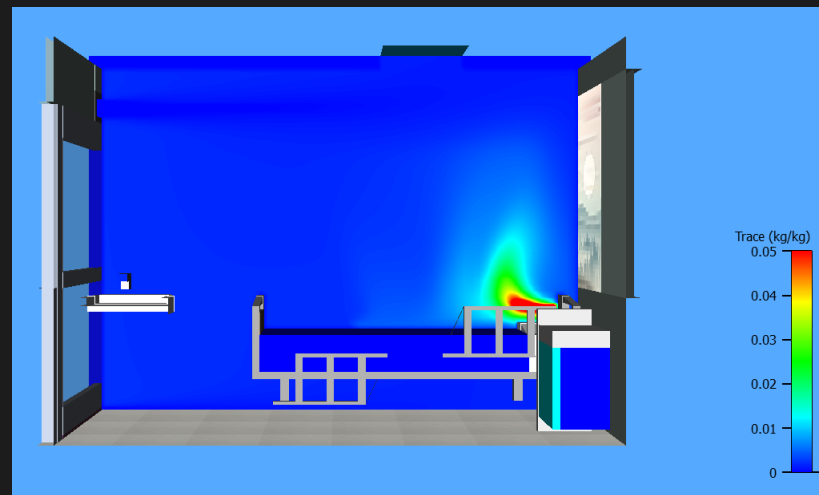


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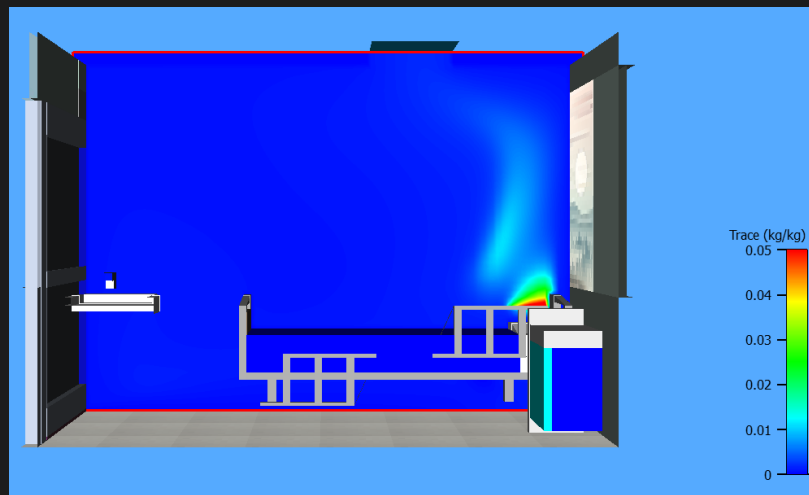


Ref 3: Pressure stabiliser in top corner of front wall

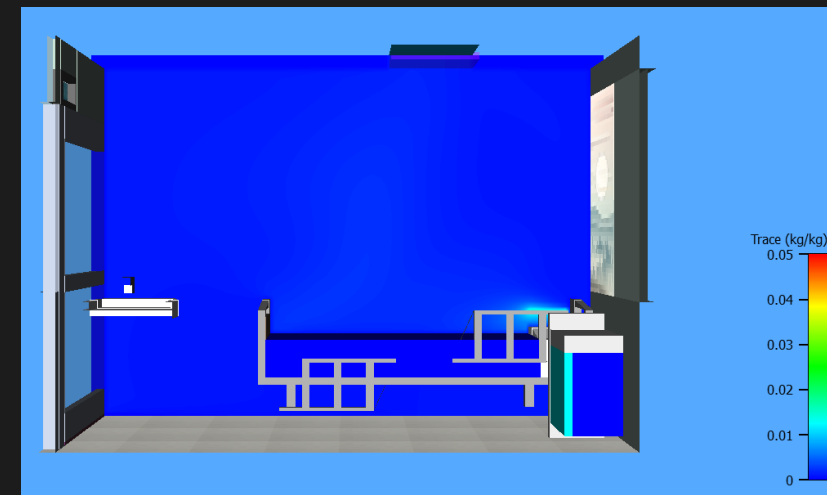
Local Mean Age – 40 l/s through stabiliser and 19 l/s under the door.



Ref 1: Pressure stabiliser central above the door

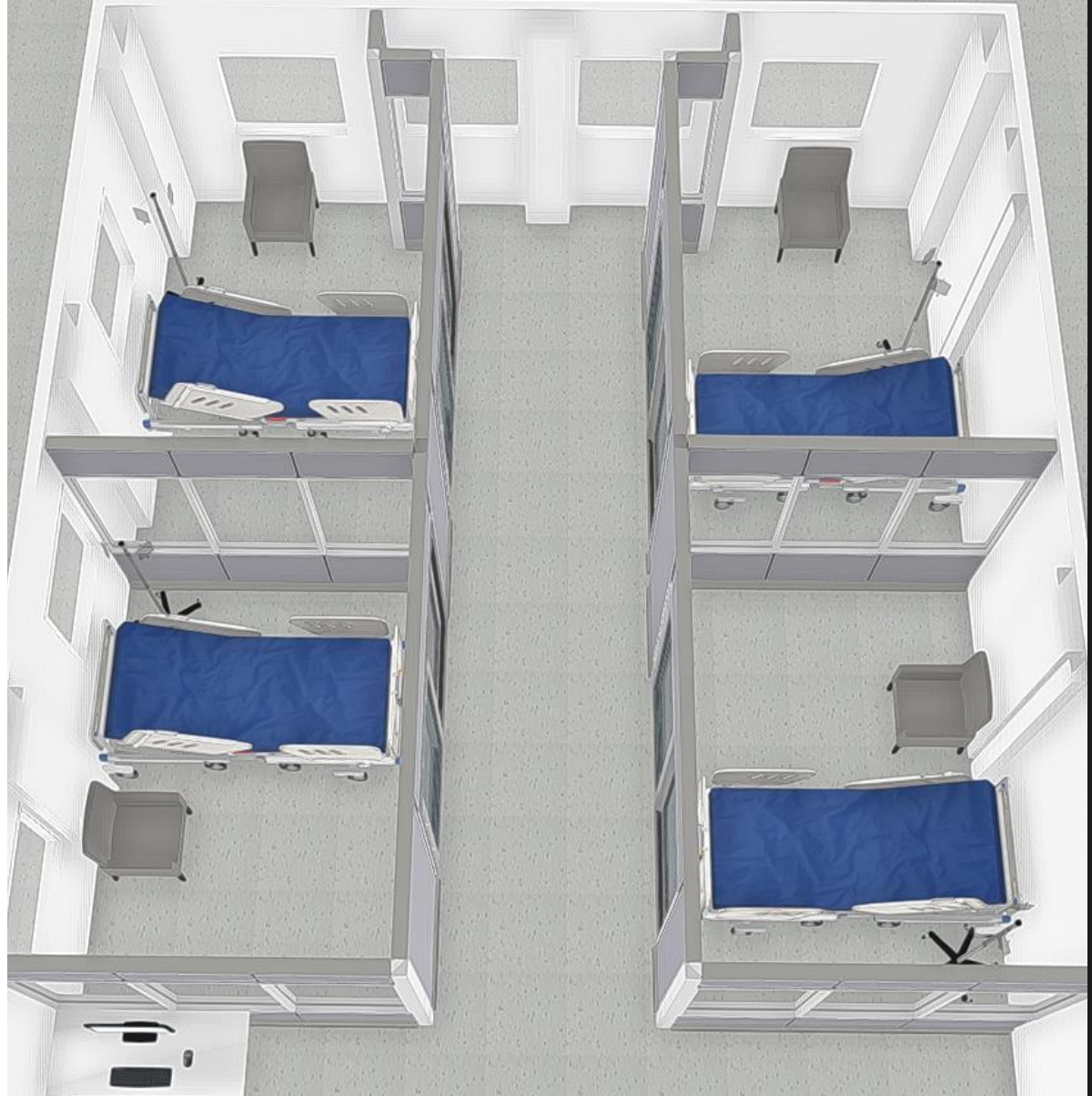
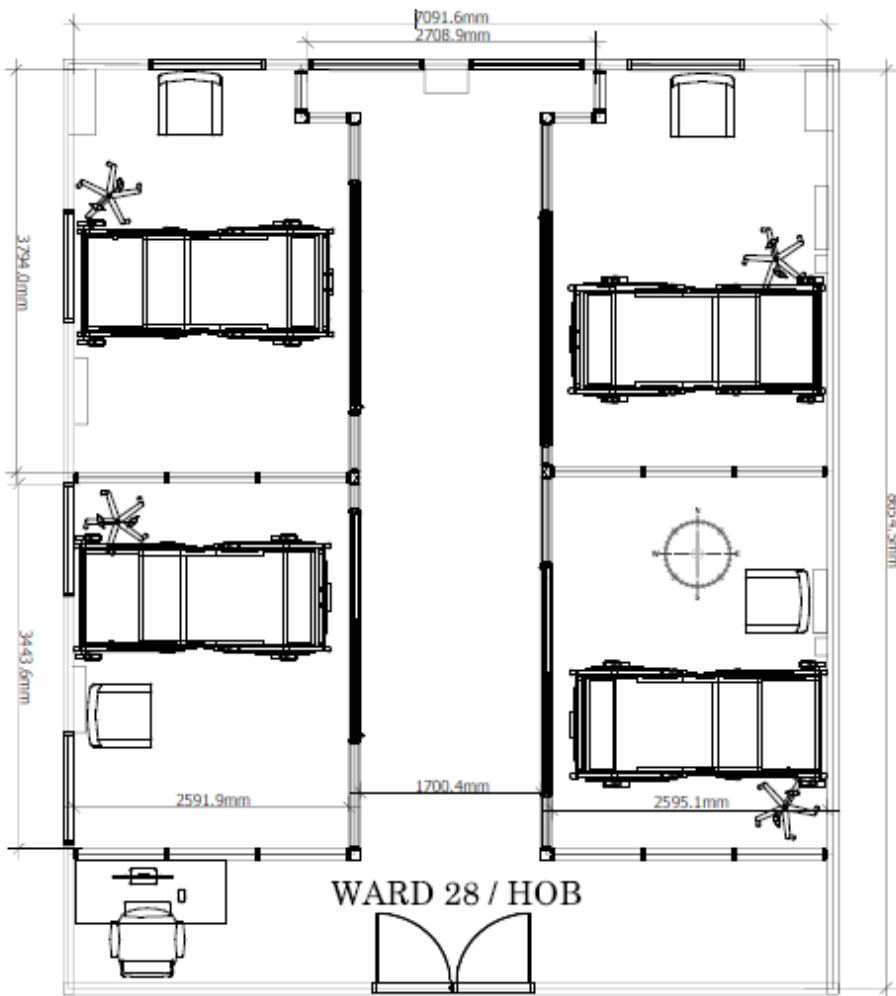


Ref 2: Pressure stabiliser low level through side of the pod



Ref 3: Pressure stabiliser in top corner of front wall

Trace – 40 l/s through stabiliser and 19 l/s under the door.



Prefab is a different way to build.



Prefab is a different way to build.



Prefab is a different way to build.

Isolation Facilities for infectious patients in acute settings (HBN 04-01 Supplement 1)

- Single-bed rooms are effective for isolating patients with infections such as MRSA, but in some circumstances it may be necessary to provide a higher level of isolation
- Patients with airborne diseases or for immuno-suppressed patients who may be at risk of infection from others
- In these cases, an isolation suite – which includes an entrance lobby, bedroom and en-suite sanitary facilities will be required



ENVIRONMENTAL STATISTICS

NORTHERN LINCOLNSHIRE & GOOLE NHS TRUST



3,880

Kilograms of plasterboard waste prevented from entering the landfill

Prevents **1,516** kgs of hydrogen sulfide (H₂S) and **3,196** kgs of carbon dioxide equivalent (CO₂e), by avoiding plasterboard decomposition in the landfill



47

Kilograms of paint-based VOCs and

6

Kilograms of plaster and tape-based VOCs prevented from off gassing



86%

Recycled content in wall solution

84%

Recycled content in casework solution



1.8%

bio-based content in wall solutions



668

Recycled denim jeans in wall insulation and **53% less CO₂e** than conventional fiberglass insulation





Deliver value.
Build it to last.

CONTACT INFORMATION
anna@awallsz.com
lan@awallsz.com

THANK YOU

Architectural Wallsz

Modular Healthcare Solutions

The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Ian Strangward

Managing Director
Architectural Wallsz (International) Ltd

I will be discussing...

“Modern Methods of
Construction (MMC) for
refurbishments of existing
Hospital Interiors”



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UP NEXT





The NHS Estates & Facilities Conference 2023



Hybrid & hubs: How the public sector is unlocking potential with hybrid working



Matt Etherington

Head of NHS and Corporate Sales
Matrix Booking



Paul Fitzpatrick

Director of Estates & Facilities
- Liverpool University Hospital
NHS FT



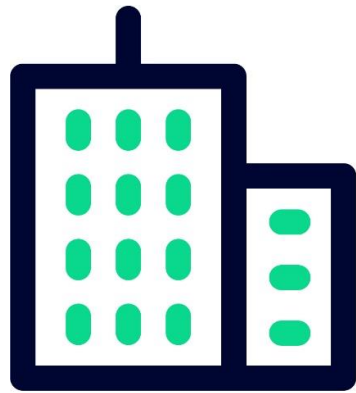
Phil Shaw

Divisional Director
Tilbury Douglas



Nicola Theron

Director of Estates
North Central London
Integrated Care System



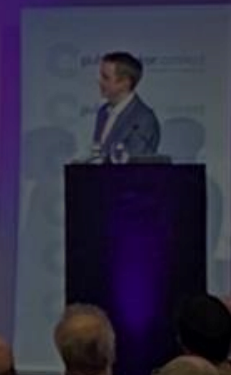
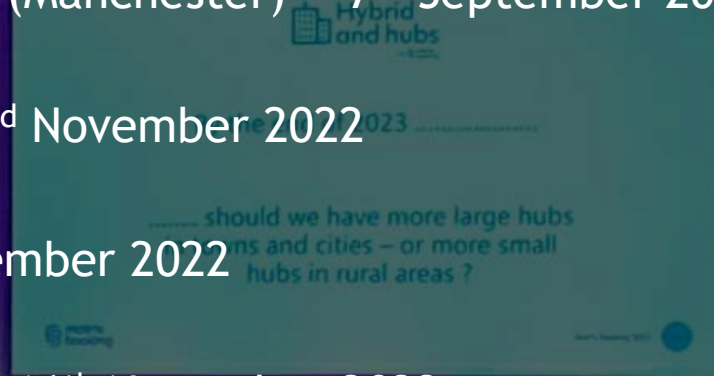
hybrid and hubs

by  matrix
booking

Matt Etherington
Head of NHS Sales & Account Management
Matrix Booking

The Hybrid and Hubs Series

1. Government Property 2030 Conference (Manchester) - 7th September 2022
2. Public Sector Proptech 22 (London) - 2nd November 2022
3. NHS Property 2022 (London) - 15th November 2022
4. NHS Smart Estates Virtual Conference - 16th November 2022
5. Government Property 23 (London) - 8th February 2023
- 6. NHS Estates Conference (London) - 1st March 2023**
7. Local Authority Properties and Estates - 19th April 2023





Key takeaways so far

- ▶ Hybrid working is a constantly moving target, an 'ongoing experiment'
- ▶ We are only now close to the point of evaluating progress so far, and adapting
- ▶ There is no One Size Fits All when it comes to Hybrid Working. Different solutions are required for different organisations
- ▶ Staff engagement is key - are we imposing or are we engaging?
- ▶ There often needs to be a reason to come into the office
- ▶ Different solutions are needed to address the 'Tuesday, Wednesday, Thursday' problem
- ▶ Make the office a magnet, rather than a mandate
- ▶ Data, data, data...

Today's Panelists

We are pleased to introduce our panel for today:

Nicola Theron

Director of Estates - North Central London ICS

Paul Fitzpatrick

Director of Estates and Facilities - Liverpool University Hospitals NHS Foundation Trust

Phil Shaw

Divisional Director, Tilbury Douglas

Question 1

How have working practices changed within your organisation over the past 3 years in relation to agile/hybrid working?

Read more about the Hybrid and Hubs Series:



Question 2

What changes are you seeing in the way NHS/Health space is built/designed/adapted to accommodate new ways of working?

Read more about the Hybrid and Hubs Series:



Question 3

What areas form the core aspects of NHS/Health estate strategies moving forward?

More clinical space, reduced footprint, cross-functional spaces, cross-trust/local authority resource sharing

Read more about the Hybrid and Hubs Series:



Audience Questions

Thank You



*Read more about
the Hybrid and
Hubs Series:*





The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Fay Lane

Apprenticeship
Relationship Manager
Health Education England



Lucy Rowe

Young Persons & Diversity
Lead
NHS England

We will discuss...

“NHS Estates and
Facilities -
Apprenticeships”

NHS Estates and Facilities Workforce

Workforce Transformation and collaboration

Lucy Rowe, Young Person and Diversity Lead, NHS England

1st March 2023

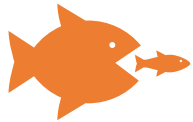
Our key challenges



Low market profile



Engaging young people



Competition



Career opportunities



Recruitment processes



Diversity and inclusion

Tools to support action & collaboration 2022/23

- ✓ National Estates and facilities Workforce Action Plan Published, June 2022
- ✓ National NHS EFM Apprenticeship Challenge, launched April 2022
 - ✓ ERIC and DoH data
- ✓ NHS EFM Workforce Engagement Forum: Collaboration!
- ✓ NHS EFM Workforce Dashboard:
 - ✓ Headcount, ED&I summary, breakdown & trends, ICS breakdown, vacancies, staff turnover, sickness
- ✓ NHS EFM Workforce News Update - Bimonthly
- ✓ NHS Estates Team Futures Platform Collaboration Hub
- ✓ Case studies / deep dive webinars bespoke to NHS EFM

Workforce Insight

- **75,600** directed employed staff (ESR)
- **80%** of our workforce bands 1 – 3
- Women make up **62%** of workforce at bands 1 to 3 and **27%** of band 4 and above positions.
- BAME staff make up **20%** of workforce at bands 1, 2 and 3 and **11%** of band 4 and above positions.
- **41%** of the EFM workforce is over 55 years old, which is significantly higher than the overall NHS workforce (**21%**).
- Only **3.65%** of our EFM people are under 25 years of age which is in line with the rest of the NHS workforce (**5.4%**)

Headcount by region

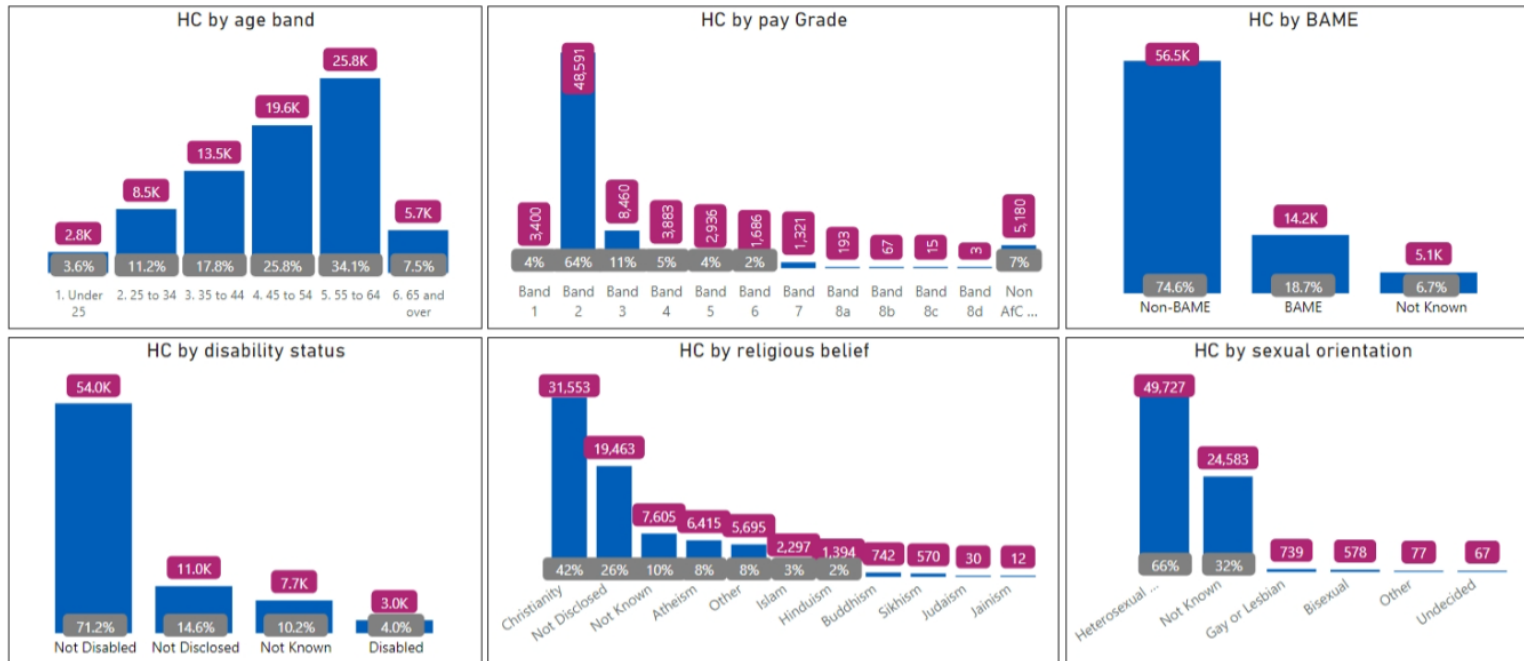
East of England	6k
London	7k
Midlands	5k
NE and Yorkshire	16k
North West	13k
South East	10k
South West	9k

NHS EFM Workforce Dashboard – Demo

NHS EFM Workforce Dashboard: Equality, Diversity & Inclusion (ED&I) Summary



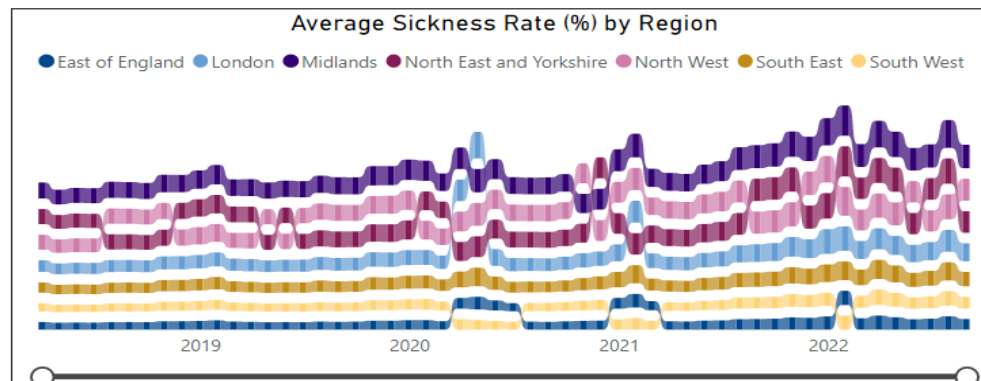
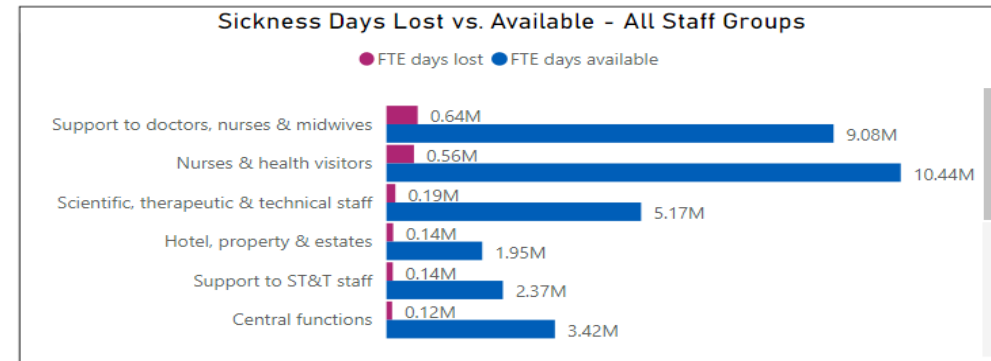
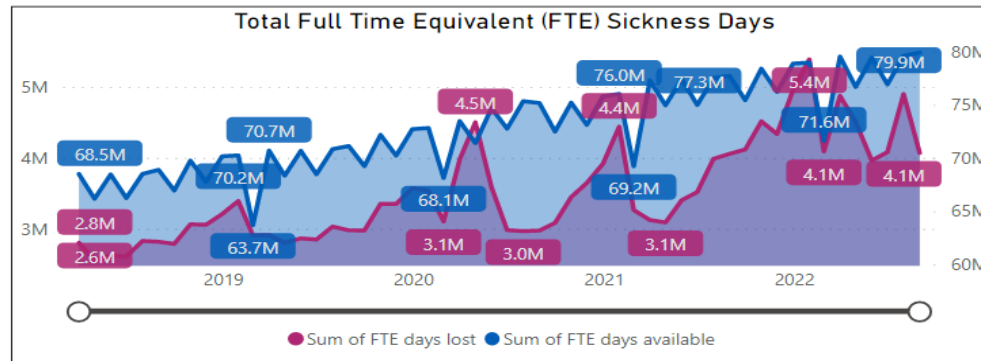
Main Staff Group:
 Staff Group:
 Pay Grade:
 Reporting Period:



NHS EFM Workforce Dashboard - Demo

NHS EFM Workforce Dashboard: FTE Sickness

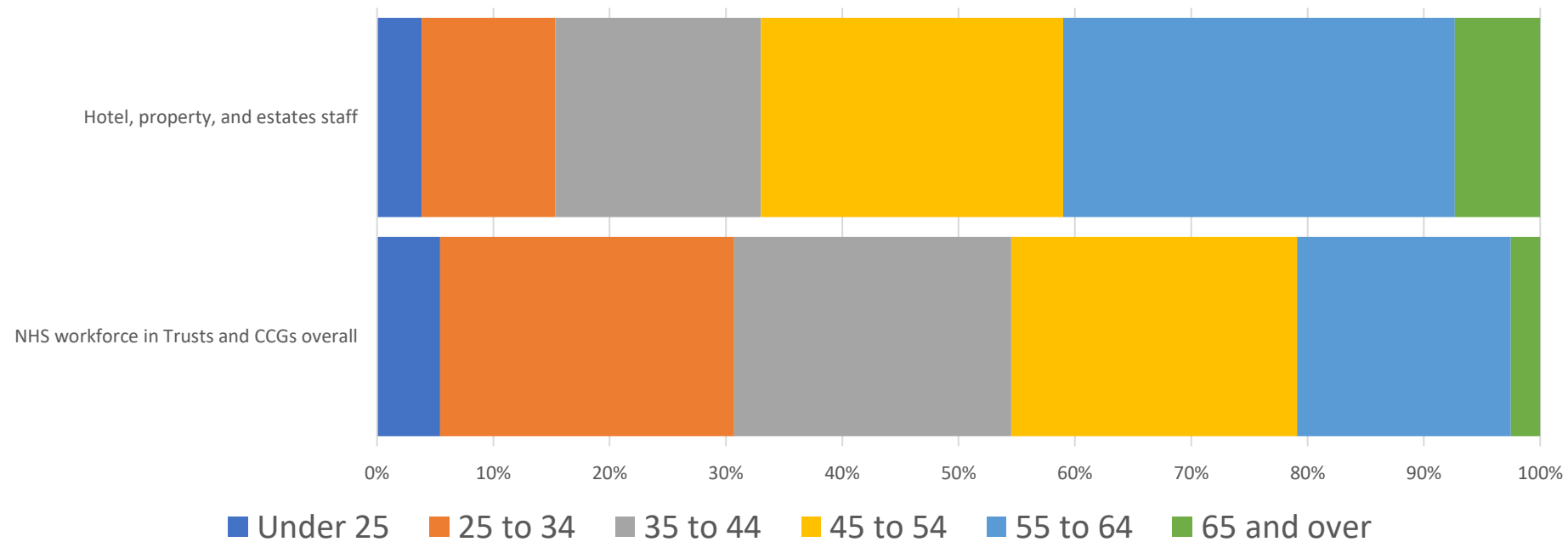
Staff Group:
 Region:
 Reporting Period:



Staff group	FTE days lost	% FTE days lost	FTE days available	% FTE days available
Support to doctors, nurses & midwives	0.64M	31.4%	9.08M	22.7%
Nurses & health visitors	0.56M	27.8%	10.44M	26.1%
Scientific, therapeutic & technical staff	0.19M	9.2%	5.17M	13.0%
Hotel, property & estates	0.14M	7.0%	1.95M	4.9%
Support to ST&T staff	0.14M	6.6%	2.37M	5.9%
Central functions	0.12M	5.9%	3.42M	8.6%
Total Days	2.03M	100.0%	39.93M	100.0%

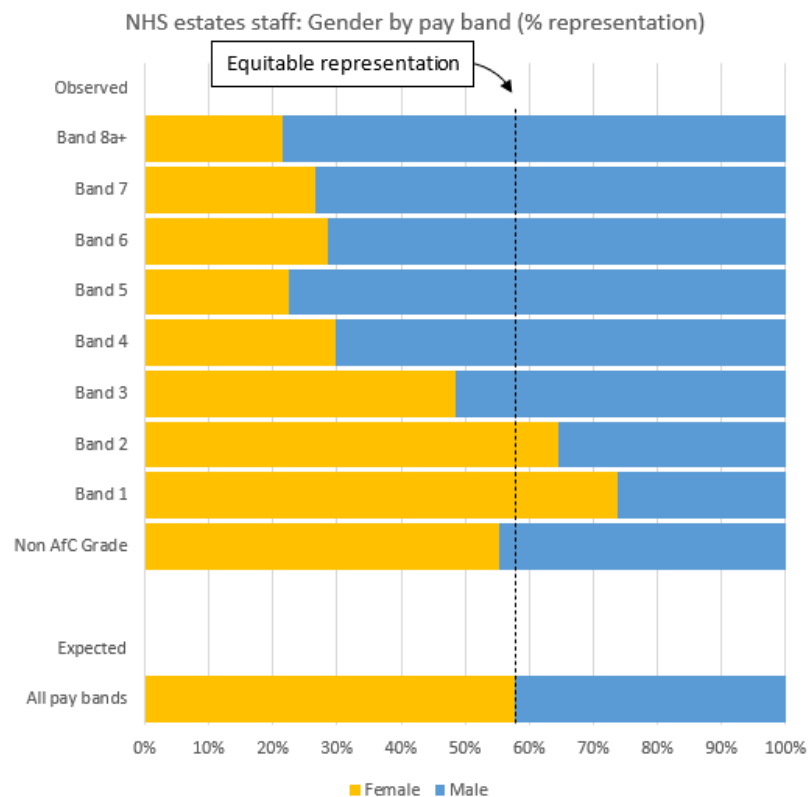
EFM Workforce by age compared to NHS

Age by job group (% representation)

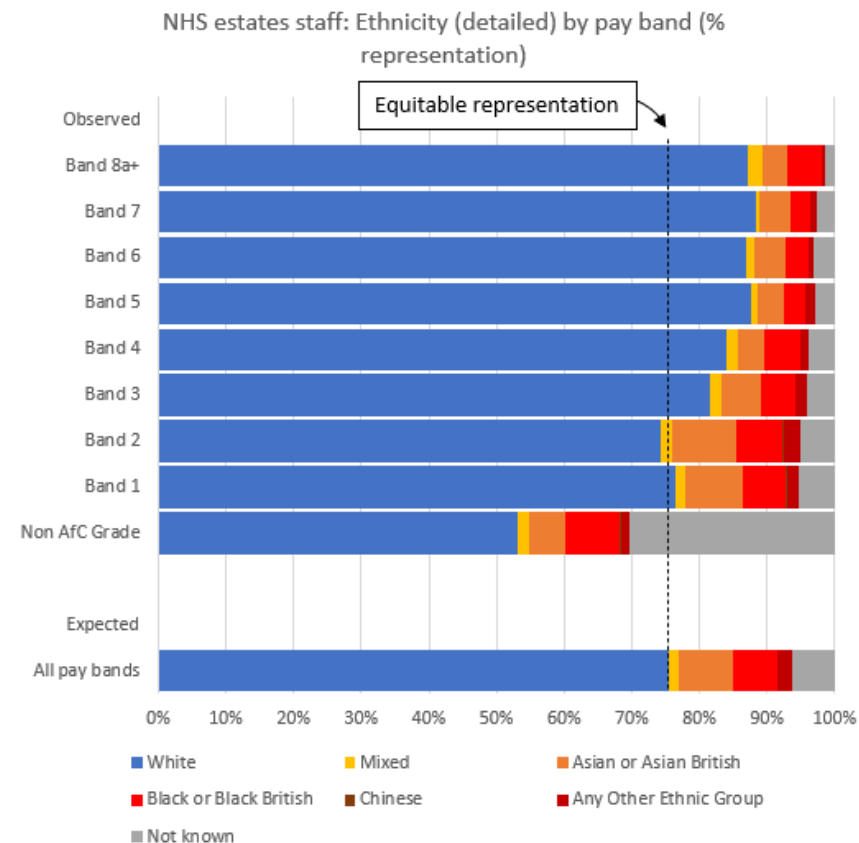


Our workforce representation gender & ethnicity

EFM Workforce Gender by AfC pay banding:



EFM Workforce Ethnicity by AfC pay banding:



Collaboration with Health Education England



NHS Estates and Facilities
5,717 followers
3d • 🌐

Harry Sandy, a production chef apprentice at [West Suffolk NHS Foundation Trust](#), was encouraged to join the NHS by his mum who works in NHS mental health services.

Harry's first experience of working in kitchens was as a pot washer at his local pub. After about a year, he moved across to the chef side of the kitchen, but then the COVID-19 pandemic stalled his progression.

He says, 'My mum encouraged me to join the NHS, as did the hiring manager who saw my previous experience and interest in being a chef.'

Harry says that the apprenticeship has helped him to develop skills including knife work and organisation, both of which are incredibly important when working to strict deadlines to serve patients.

This year, we're aiming to have 1,000 new apprenticeship starts in NHS estates and facilities, in roles from engineering and plumbing to catering and sustainability.

Find out more about apprenticeship opportunities: https://lnkd.in/exQZQS_W
#apprenticeships #nhscareers #apprenticeshipchallenge #nhsestates #NAW2023



NHS England
650,154 followers
1d • 🌐

'I was inspired to work in the NHS by my Nana, who was a children's nurse for 45 years before she retired, and my Grandad, who still works as a theatre technician in the same hospital as me. I see him almost every day!' ...see more



You and 272 others

7 comments • 7 reposts

In the pipeline

- NHS ICS Infrastructure Strategy Workforce toolkit and Data Pack
- ICS Data used for site visits
- Employer Brand: Attraction, awareness and ‘offer’
 - Apprenticeships
 - Flexible working
 - Pension
- Apprenticeships – Use the levy, increase our offer across the board, degree apprentices, employer led
- Equity in EFM - aspiration, direction, positive action



NHS APPRENTICESHIP LEVY FUNDING

Levy payer

- Does the employer have an annual pay bill in excess of £3m?

£1,000,315,317

Levy contributions of 181 NHS employers across the UK showed apprenticeship service accounts.

May 2017 to April 2022

£445,436,338

Amount of levy withdrawn and used for training or assessment purposes.

May 2017 –April 2022

£554m

These figures suggest 55% of funds either remain unused or have been lost and returned to the Treasury

Levy-payers can put their contributions towards 100% of the course cost



Links and contact

- [NHS England » NHS estates and facilities workforce action plan](#)
- [NHS England » NHS Estates and Facilities Workforce: Apprenticeship Challenge](#)
- NHS EFM Workforce Dashboard - [Microsoft Power BI](#)
- [NHS Estates Team Collaboration Hub - NHS Estates and Facilities \(future.nhs.uk\)](#)
- NHS Workforce forum and team efmworkforce@nhs.net

Lucy Rowe

Young Person and Diversity Lead

Lucy.Rowe3@nhs.net

[\(21\) Lucy Rowe | LinkedIn](#)





Health Education England

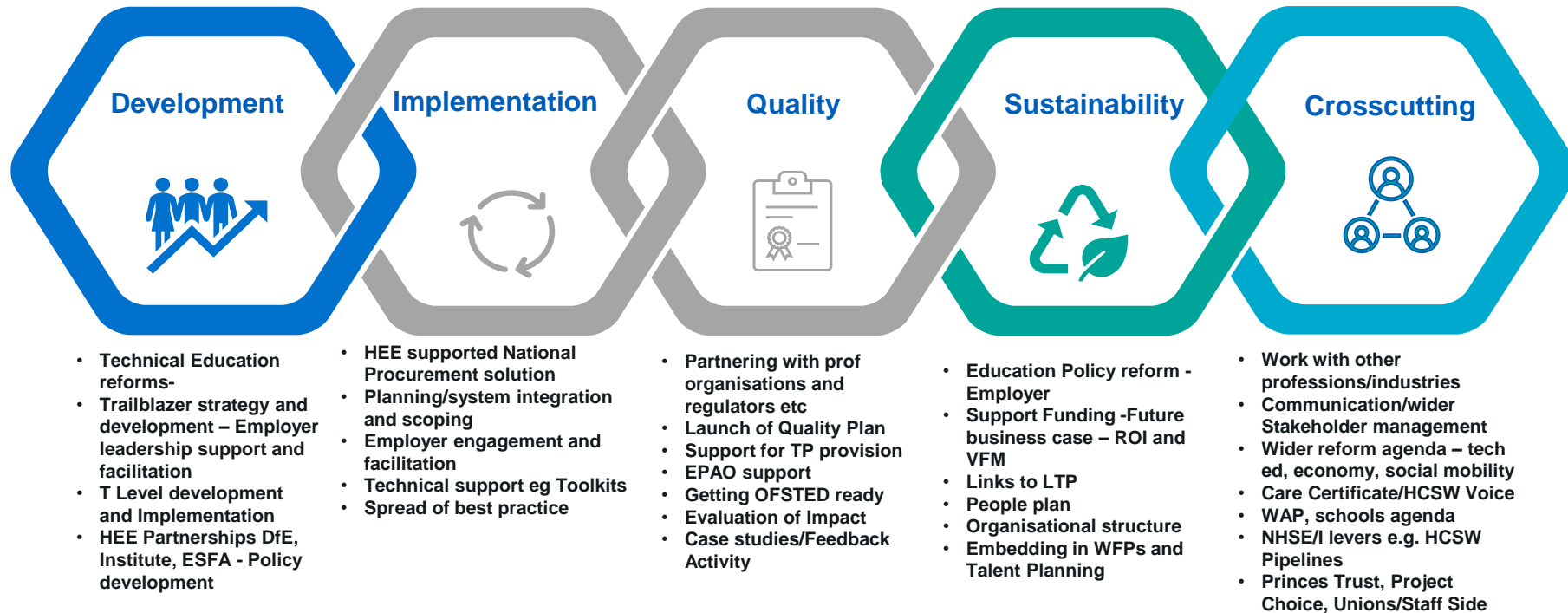
Estates and Facilities Apprenticeships Collaboration and Transformation

Fay Lane, National Programme Manager, Health
Education England



1st March 2023

Health Education England - Our Work Programme



Transformation

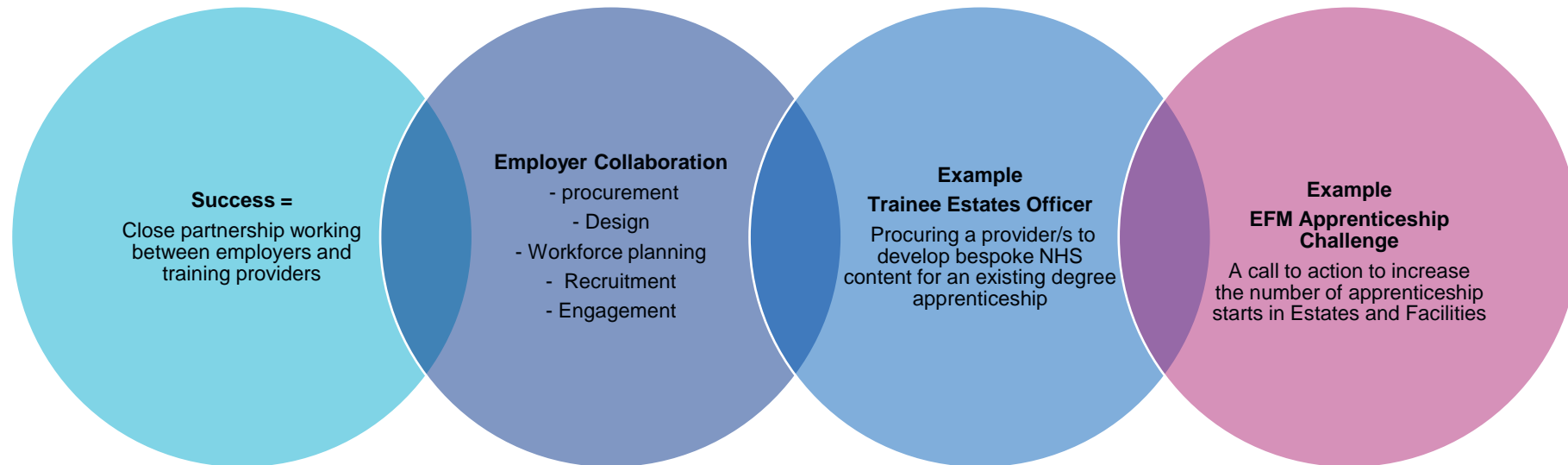
Apprenticeships can be used both for the development of new and existing staff of all ages, across a wide range of occupations and job roles.

- Creating new entry routes into the workforce
- To support inclusive growth: providing opportunities to under-represented members of the community to access opportunities
- An additional and proactive means of building capacity in the workforce
- To encourage the wider workforce to embed new skills and learning into their day to day practice
- Workforce transformation
- Support workforce planning

Collaborative Working

Can we create systematic apprenticeship solutions?

Working together to plan design and deliver estates and facilities apprenticeships



Resources

- [Estates and Facilities Toolkit](#)
- [Facilities and Estates - HASO \(skillsforhealth.org.uk\)](#)
- [Facilities and Estates \(Hard\)](#)
- [Facilities and Estates \(Soft\)](#)
- [Facilities and Estates Management](#)
- [Facilities and Estates Sustainability](#)
- [Estates and Facilities Apprenticeship Challenge 2022/2023](#)
- [Estates and facilities | Health Careers](#)

Thank You

Fay Lane
Apprenticeship Relationship Manager (NE&Y)

Fay.Lane@hee.nhs.uk



[@Faybelane](https://twitter.com/Faybelane)

<https://haso.skillsforhealth.org.uk/>



The NHS Estates & Facilities Conference 2023



UP NEXT



mobilityways

The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Mark Hand

Business Development Director
Mobilityways

I will be discussing...

“Zero carbon commuting -
lessons from trailblazers”



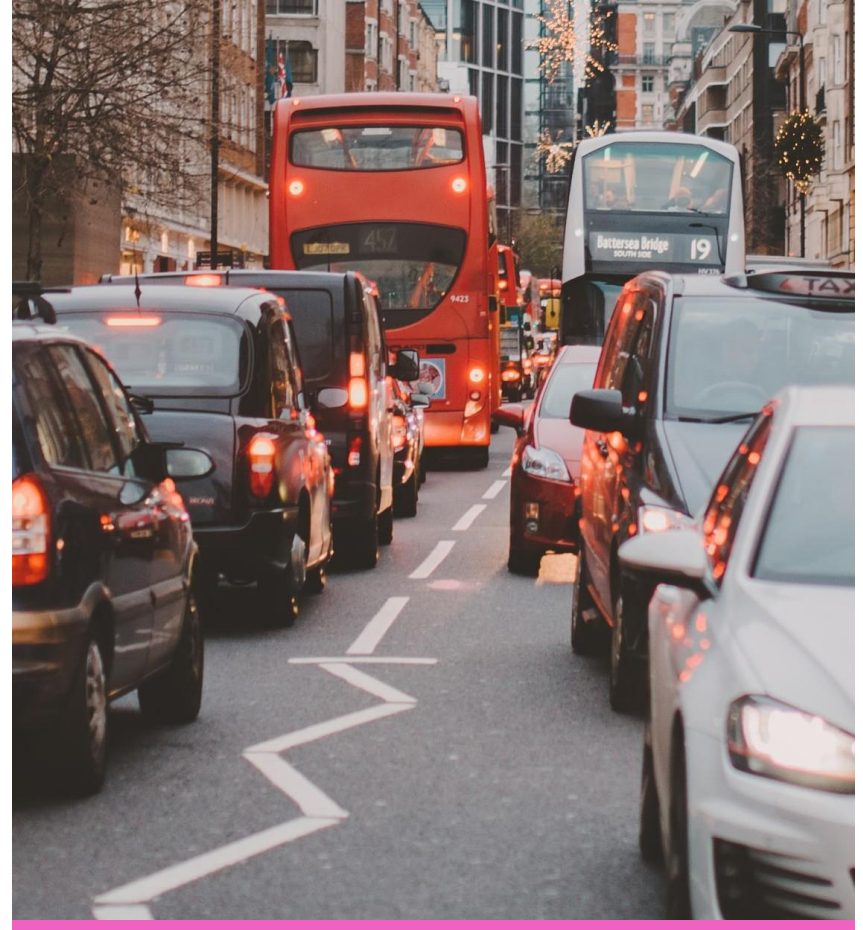
Crown
Commercial
Service
Supplier

Ground-breaking employer climate tech, empowering the NHS to measure, reduce & report commuter emissions.

The NHS Estates & Facilities Conference
1st March 2023

The urgent need for Zero Carbon Commuting

The commute is the least efficient journey we ever make, contributing 18 billion kg of CO₂e annually - 5% of total UK emissions. Unless we decarbonise the commute, we will fail our net zero goals in the UK.



Department
for Transport

“

We must deliver a step change in the breadth and scale of our ambition to reduce transport's GHG emissions to reach net zero.

”

Rt. Hon. Grant Shapps MP | Transport Decarbonisation Plan

Addressing requirements

Trusts tell us that these things matter

Recruitment and retention

Health and wellbeing including financial

Addressing the imbalance between demand and supply of parking – parking management is however just one aspect of wider travel and accessibility needs for health locations

Visitor and patient experience

Revenue generation

Your sustainability and air quality commitments

Net zero by 2045

Trusts are required by **their contracts with the NHS** to:

- produce a green plan including travel
- report annually quantitative progress data

And as part of a programme to improve air quality

- **develop and operate expenses policies for staff which promote sustainable travel choices.**

It's not just the planet that benefits



Achieve net zero targets

Expedite your organisation's progress towards net zero



Dent the cost of living

Sustainable commuting delivers cost savings to both organisations and employees



Recruitment & retention

Access a greater pool of talent and reduce attrition in your team



Improve wellbeing

Encourage good mental and physical health in your teams

Why us?

Proven results

we've helped over 700 leading UK organisations save over 1.3 billion commuting miles

Trusted partner

of UK government departments, universities and hospitals

Ground-breaking software

one comprehensive platform for all your net zero commuting requirements



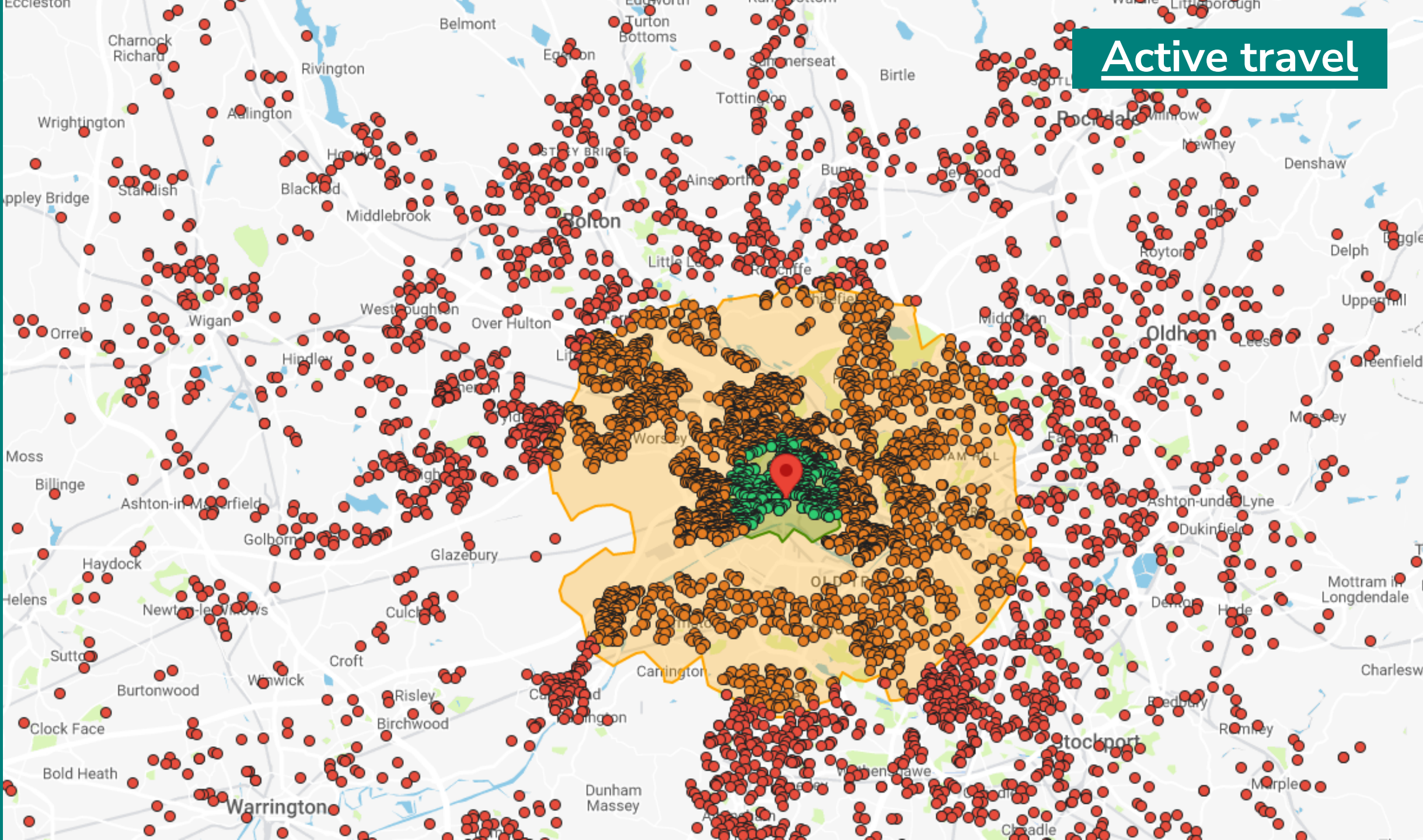
Mobilityways Solutions

Ground-breaking employer climate tech, empowering organisations to **measure**, **reduce** & **report** their commuter emissions.

<p>Measure Measure your commuter emissions & scope the potential for change</p>	<ul style="list-style-type: none"> Travel Survey Commuter Emissions Calculation Scoping 	<ul style="list-style-type: none"> Build, send and review employee travel surveys with ease Calculate your organisation's total and average commuter emissions Identify real-world sustainable commuting potential for your team
<p>Reduce Reduce employee commuter emissions via our proven approaches</p>	<ul style="list-style-type: none"> Personal Travel Plans Liftshare For Work® Sustainable Car Park Management Parking Policy Creation & Monitoring Tailored Engagement Strategy & Toolkit Zero Carbon Commuting Roadmap© 	<ul style="list-style-type: none"> Communicate sustainable commute options to each employee Help employees find a lift - saving money & reduce parking demand A sustainability-first mindset from permit issuance to validation Deliver sustainable commuting plans to each employee Engage your team to drive forwards commute behaviour change Develop the targets and strategy for your organisational context.
<p>Report Report accurately your organisation's commuter emissions and progress against targets</p>	<ul style="list-style-type: none"> Dashboard Commutologist Consultancy® 	<ul style="list-style-type: none"> Access all your commuter emissions data in one place Expert advice and support to accelerate your progress

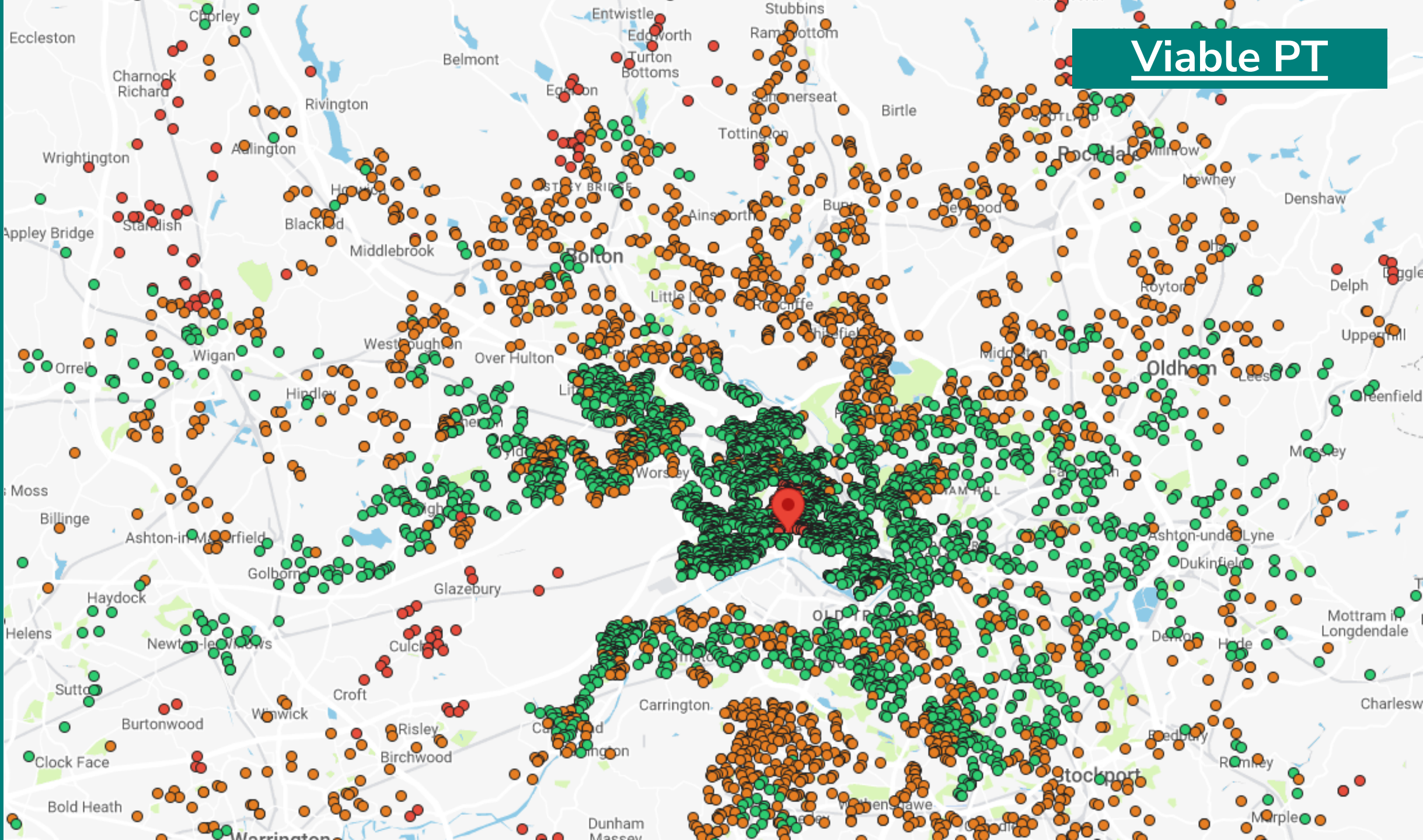


Active travel



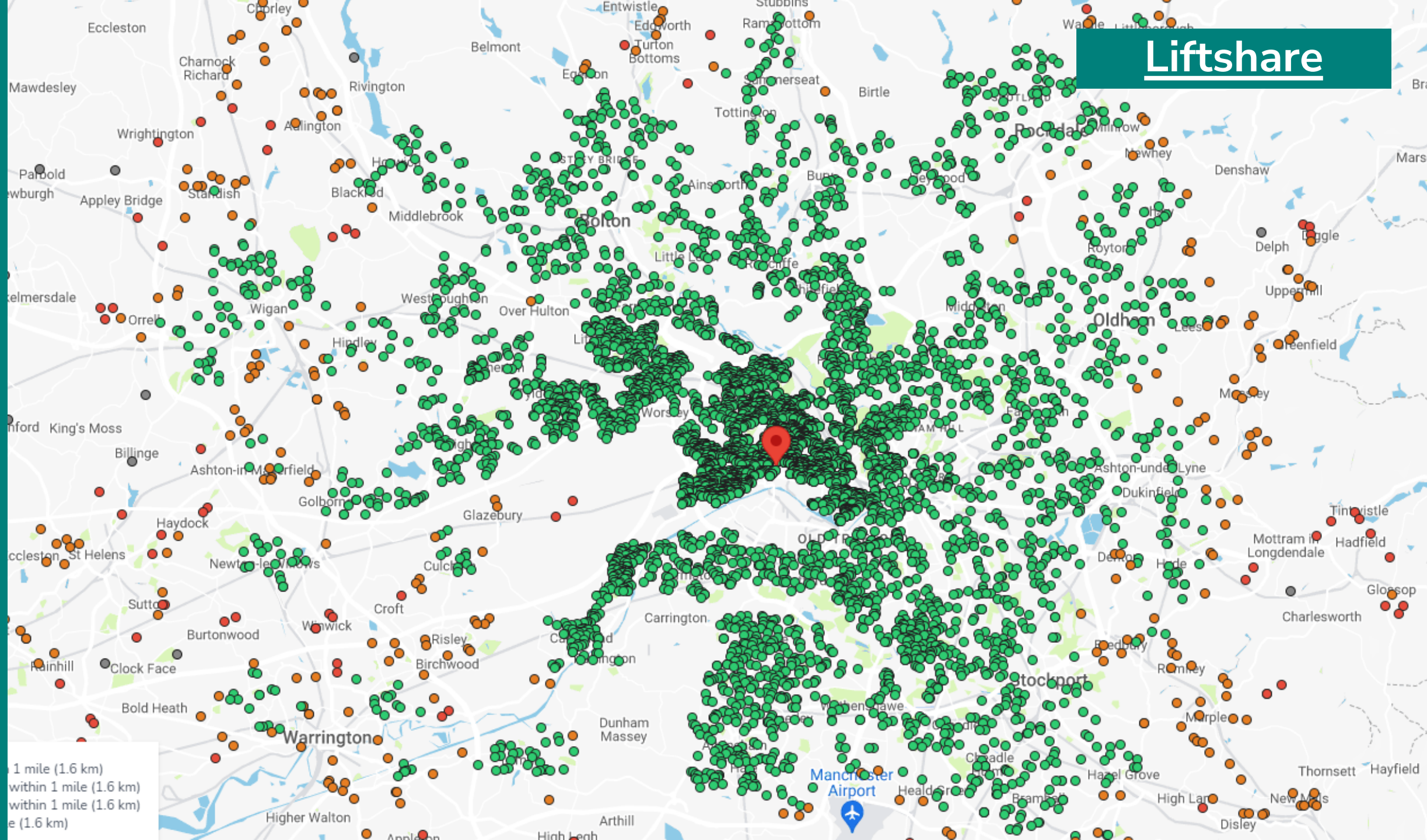


Viable PT





Liftshare



1 mile (1.6 km)
within 1 mile (1.6 km)
within 1 mile (1.6 km)
within 1 mile (1.6 km)

Employer engagement, NHS

Salford Royal	Number	Active travel	Viable public transport	Liftshare	LS with at least 10 options
Scoping	7,687	57%	58%	97%	89%
Survey results, actual behaviour	841	5%	3%	2%	-



Northern Care Alliance
NHS Foundation Trust



NHS zero carbon commuting

5 key lessons from a trailblazing trust



LESSON 1

Build your internal coalition

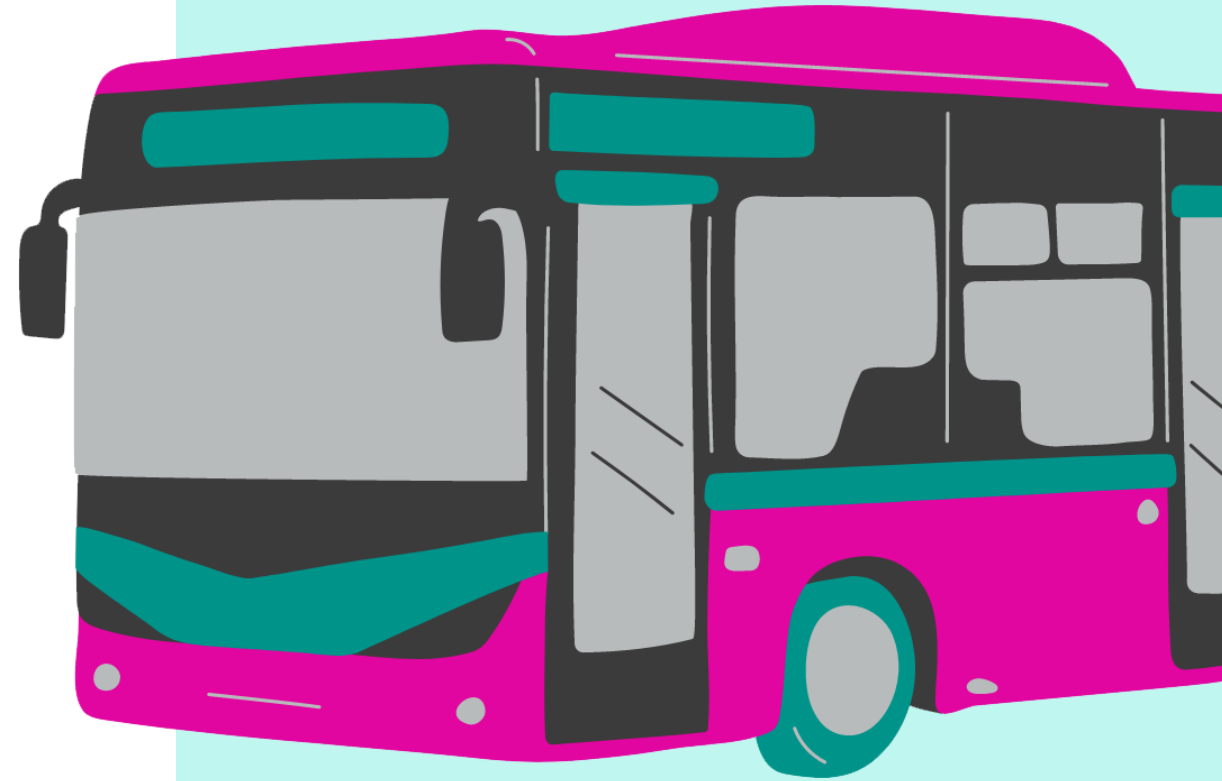
- Other departments need to be involved from procurement through to implementation.
- Don't operate in a silos, get them involved early in the process to support greater embedding across the organisation.
- Their support ensures that project runs more smoothly and you don't need to repeat the "why" internally.
- Every department has something to gain from its success.



LESSON 2

Engage external stakeholders

- Zero carbon commuting can't be achieved on our own.
- We don't provide much of the infrastructure.
- It is critical to share the data insights early with the Local Authority and local transport operators.
- Can be great at improving relationships with LAs – they will love the data and will value the engagement.



LESSON 3

Make the theory real

- The Scoping “best case” is not the same as what’s achievable in the short term.
- Modal shift requires colleagues to change behaviour, and behaviour change is challenging!
- Important to be presenting to colleagues realistic and achievable initial steps alongside the long-term vision.



LESSON 4

We should have started earlier

- Time is running out for the planet!
- Even with the best intentions, everything takes longer than intended, if we'd started sooner we'd be further down implementation.
- 2030 is now less than 7 years away and worth remembering that the Climate Change Act requires net zero across all NHS Carbon Footprint by 2045.



LESSON 5

Parking is key

- It's important to look at the operational return on investment – not just the CO2e savings.
- Solving the real pain points in the Trust are the easiest ways to gain buy-in for zero carbon commuting.
- Often seeing tangible results, rather than simply CO2e savings, is critical for the project to grow momentum.



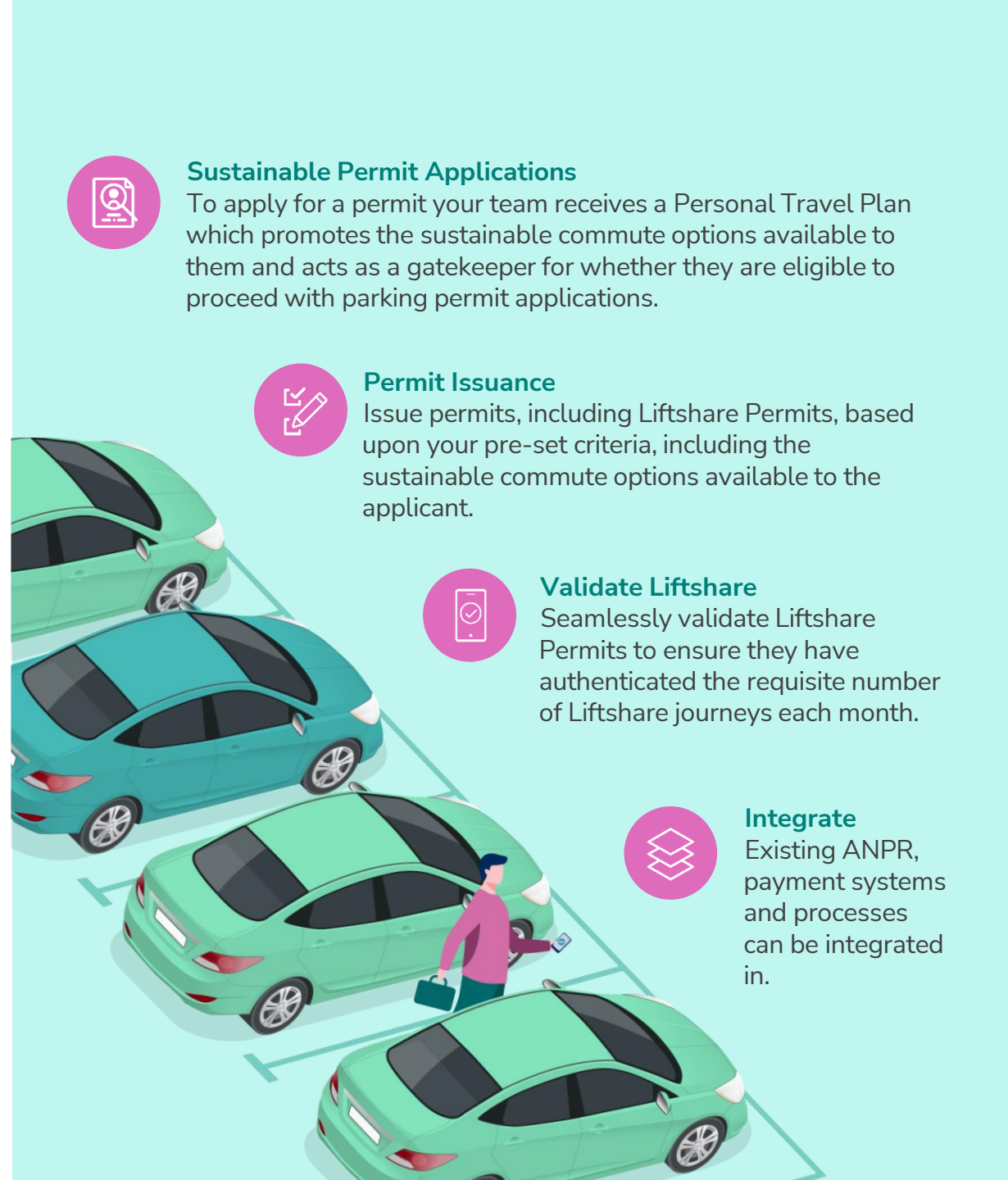
MEASURE > **REDUCE** > REPORT

Sustainable Car Park Management

A sustainability-first mindset from permit issuance to validation

BENEFITS

- Restrict parking permits only to those employees without viable sustainable commute options
- Incentivise car-sharing with discounted or priority parking permits
- Seamless workflow from sustainable commuting promotion, permit application and permit issuance to Liftshare validation and parking enforcement
- End-to-end parking solution that can support companion handheld enforcement app, ANPR, permit payments and issuing PCNs



Sustainable Permit Applications

To apply for a permit your team receives a Personal Travel Plan which promotes the sustainable commute options available to them and acts as a gatekeeper for whether they are eligible to proceed with parking permit applications.



Permit Issuance

Issue permits, including Liftshare Permits, based upon your pre-set criteria, including the sustainable commute options available to the applicant.



Validate Liftshare

Seamlessly validate Liftshare Permits to ensure they have authenticated the requisite number of Liftshare journeys each month.



Integrate

Existing ANPR, payment systems and processes can be integrated in.

Strategic, challenging but worth it.

Enhanced:

- Recruitment and retention
- Health and wellbeing including financial
- Visitor and patient experience

The most efficient use of the finite parking spaces

Higher revenue generation

Reduced congestion and emissions

Enhanced air quality

Admin lite reporting with live data



Ground-breaking commuter
emissions climate tech

Next steps towards zero carbon commuting... Come and see us!

Mark Hand, Group Business Development Director

mark@mobilityways.com

07951 122943

Barry Waterhouse Group Travel and Access Manager

Northern Care Alliance NHS Foundation Trust

barry.waterhouse@nca.nhs.uk

07971611865



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Supplier

The NHS Estates & Facilities Conference 2023



Q&A PANEL



Ian
Strangward

Managing Director
Architectural Wallsz
(International) Ltd



Matt
Etherington

Head of NHS &
Corporate Sales
Matrix Booking



Fay
Lane

Apprenticeships
Relationship
Manager
Health Education
England



Lucy
Rowe

Young Persons &
Diversity Lead
NHS England



Mark
Hand

Business
Development
Director
Mobilityways



The NHS Estates & Facilities Conference 2023



NETWORKING

Event Chair – Chair Afternoon Address



Nicola Theron

Director of Estates
North Central London Integrated
Care System



The NHS Estates & Facilities Conference 2023



UP NEXT

algeco®

The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Wayne Yeomans

Sales Director - OSS
Algeco UK Ltd

I will be discussing...

“How offsite construction
can help alleviate waiting
time pressures currently
facing the NHS”

A decorative graphic on the left side of the slide, composed of various geometric shapes in dark blue and light green. It includes a large dark blue semi-circle at the top left, a small dark blue square below it, a dark blue circle to the left, a dark blue square below that, a large light green rounded rectangle below that, a central photograph of a building, a light green rounded rectangle to the right of the photo, a dark blue circle at the top right, a dark blue vertical rectangle at the bottom left, and a light blue rounded rectangle at the bottom right.

Transforming estates from second class to world class

Wayne Yeomans

Challenging Times

- More than 7 million people are on a hospital waiting list in England – 1 in 8 of the nation's entire population
- Waiting times exacerbated by Covid-19
- Poor condition of many existing buildings - lack of new facilities not helping
- RAAC aerated concrete is an area of concern for many NHS providers
- January – Health Secretary announces £50million for temporary modular buildings



Offsite a catalyst for change

- Offsite answers call for speed, quality and value
- The Construction Playbook a catalyst for wider change in the offsite sector
- Recent innovation such as Seismic simplify design and manufacturing processes
- Approach uses a small number of repeatable base designs for NHS applications
- The standardised Seismic approach is:
 - ✓ 75% faster
 - ✓ 47% improvement in value compared to traditional construction techniques.
 - ✓ 70% reduction in operational and embodied carbon.



Reduce waiting times



Certainty of programme, enables 'Speed to Market'



Up to 50% quicker – Reduced programme time equates to Working Capital saving



Best value – Recycle, Reuse or Repurpose your Modular store



Standardisation unlocks efficiencies in design, commercials, and programme



Faster completion, certainty of supply, high PMV before delivery, earlier completion and patients treated – faster ROI



Quality throughout - NPS score of 100 on our latest project reviews



Algeco understands **Fast-Track** construction



Certainty of programme, enables 'Speed to Market'



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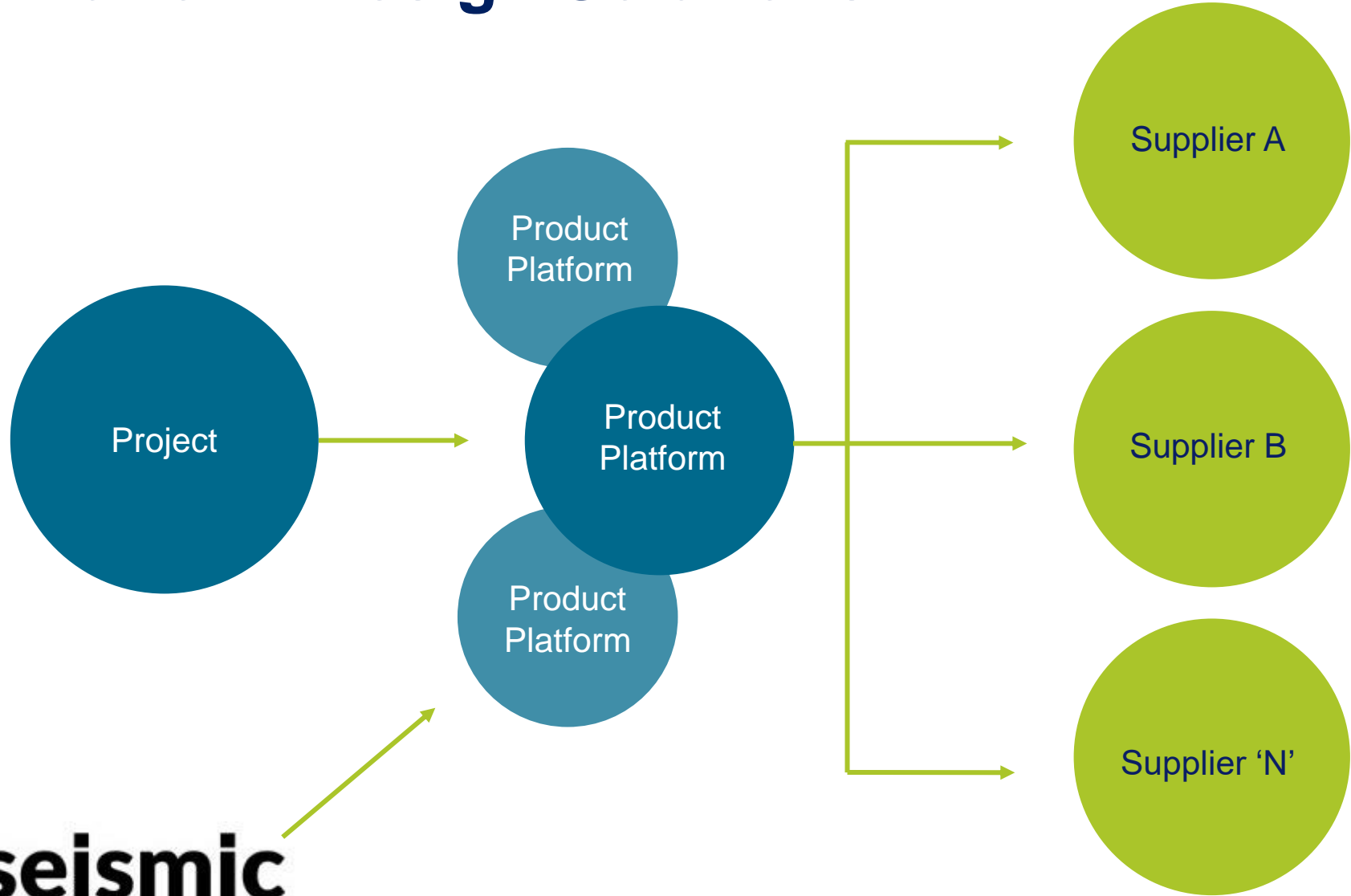
Faster, more efficient than traditional offsite systems

- A 75% improvement in efficiency
(4.5 modules assembled per day instead of one welded frame module per day)
- A 70% reduction in carbon
(both embodied and operational)
- A 47% improvement in value
(based on waste reduction and inefficiency alone, (when benchmarked against the UK government's Construction 2025 targets))
- Productivity Improvement in assembly
- Interoperable Componentised Building System



Algeco and Platform Design Solutions

What if the client or design team could specify a product platform, for which there were multiple supply options?





Example Projects



CASE STUDY

King's College Hospital

Location: Central London

- £15m turnkey project, very complex build
- 5-storey operating theatres & wards department – infill project on a live hospital site – on the 'blue light' route and close to a live railway line
- Hybrid structure to lower ground and ground to first, with 4-storeys of Modular structure above.
- Solar shading to two elevations
- 'Off-balance solution' – Leasing Framework
- Compliant with Health Building Notes (HBN) and Health Technical Memoranda (HTM)
- Constrained site – Strict Health & Safety measures





CASE STUDY

Pinderfields Eye Hospital

Location: Wakefield, West Yorkshire

- Brick, render and curtain wall glazing two-storey permanent building design
- Housing advanced eye clinic and state-of-the-art office accommodation
- High levels of insulation and low energy consumption
- Compliant with Health Building Notes (HBN) and Health Technical Memoranda (HTM)
- Offsite construction enabled patients earlier access to the ophthalmology unit





New community GP Surgeries / Health Hubs

- General practice is the cornerstone of the NHS, helping around 50 million people in England every year, carrying out 370 million consultations last year.
- If the construction industry can mitigate budget constraints through improvements in efficiency of design and modular / MMC construction, this has the potential to facilitate and standardise the design of primary care facilities in line with the NHS strategic planning and predevelopment framework.
- Developers and designers are already making use of standard layouts which are scalable and adaptable. Technology is playing a part in minimising underutilised space (such as storing patient records electronically and continuing with phone consultations adopted during the COVID pandemic), which will free up space needed for physical examinations.
- Adoption of DfMA to bring forward industry changing building technology such as our SEISMIC platform design modular solution.



New community diagnostic centres will provide scans and tests

Within the centres will be state of the art equipment including; a mobile CT scanner, two X-ray rooms and clinical / ultrasound rooms, as well as a space to undertake blood tests.

The Government plans 40 centres to be opened across the country, which will lead to:

- earlier diagnoses for patients through easier, faster, and more direct access to a range of diagnostic tests needed to understand a patients' symptoms
- a reduction in hospital visits which will help to reduce the risk of COVID-19 transmission
- a reduction in waits by diverting patients away from hospitals, allowing them to treat urgent patients, while the community diagnostic centres focus on tackling the backlog
- a contribution to the Trust's net zero ambitions as the building is designed to be carbon neutral



In Short

- Offsite has a major role to play in transforming the NHS estate
- Up to 50% quicker than an on-site build – no compromise on quality
- New innovations - Seismic platform-based construction system delivers further benefits
- Decant modular hire solution can be used whilst existing buildings undergo remediation
- Algeco has a track record of delivering healthcare buildings
- Algeco delivers speed, quality and value





Thank you

algeco-offsite.co.uk



algeco[®]



The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Paul Fitzpatrick

Director of Estates & Facilities
- Liverpool University Hospital
NHS FT



Phil Shaw

Divisional Director
Tilbury Douglas

We will discuss...

“New Hospitals Programme:
Transformational Co-production”

NHS Estates and Facilities Conference

1st March 2023

New Royal Liverpool Hospital Remediation 2018-2022

Paul Fitzpatrick
Director of Estates and Facilities &
Project Director New Hospital Construction

LIVING OUR VALUES



Carillion PFI Project Vision - 2013



Key Dates:

- **2013:** Royal Liverpool and Broadgreen enter into PFI agreement for construction of 646 bed £329m new hospital scheduled to open in 2017
- **Feb 2014:** Construction begins
- **Jan 2018:** Construction ceases due to liquidation of Carillion – Hospital was around 90% complete but emerging issues relating to structural integrity and quality issues
- **Oct 2018:** Responsibility for completion of the hospital transfers to Trust with Laing O'Rourke as Management Contractor
- **Late 2020/Early 2021:** FBC submitted indicating costs of between £340m - £390m to complete and remediate the hospital. PDC approved @ £357.5m (phase 1 only)
- **11th July 2022:** Trust accept partial possession of hospital
- **28th September 2022:** Trust achieves practical completion confirmed by Building Control and move plan commences
- **22nd October 2022:** Hospital move complete
- **Oct 2022 – early 2023:** Final works on phase 1 to be completed e.g. Clatterbridge Link Bridge
- **Oct 2022 onwards:** Decommissioning and demolition of old hospital (Phase 2)



Hospital Opening - 2018 2022



New Royal Liverpool Project Delivery Team

- **NHS Trust Redevelopment Team:**
 - Construction and Healthcare Coordination**
- **Management Contractor LOR**
- **Directly Appointed Contractors...circa 110**
- **Project & Finance Managers - Gleeds**
- **Clerk of Works - Perfect Circle (Aecom)**
- **Professional Advisors:**
 - NBBJ, HKS, Hoare Lea, ARUP, KOK, AY...**
- **NHS Trust Estates and Facilities Team:**
 - FM Commissioning and Occupation Logistics**



RLUH – New Hospital Project

Primary Workstreams:

1. Governance
2. Structural Integrity
3. Façade/Envelope Safety
4. MEP Compliance
5. Fire Safety / Compartmentation
6. Assurance
7. Functional Suitability and Redesign
8. Occupation



1. Governance

Based on 2015 thinking and technology, we would undoubtedly do things differently if starting this project now with full “BIM” and Digital Twins throughout construction...

- Numerous programmes with hundreds of lines on each and their revisions updated every 2 weeks (4 years x 25 No a year = 100 programmes issued)
- Over 10,000 drawings from consultants and their revisions picking up Contractual Scope and programme items to complete
- Over 200,000 No individual “field view” works tasks
- 2500 No Contract Administrator Instructions for specific elements of work
- Over 170 Individual Change requests value around £50m of work scope
- “4P” has been used throughout and provides a complete record of all changes and decisions taken on the project



2. Structural Integrity – Remediation Completion December 2020

**** 71 Interventions implemented that required works on multiple floors ****



3. Façade – Compliance & Remediation 2019/22



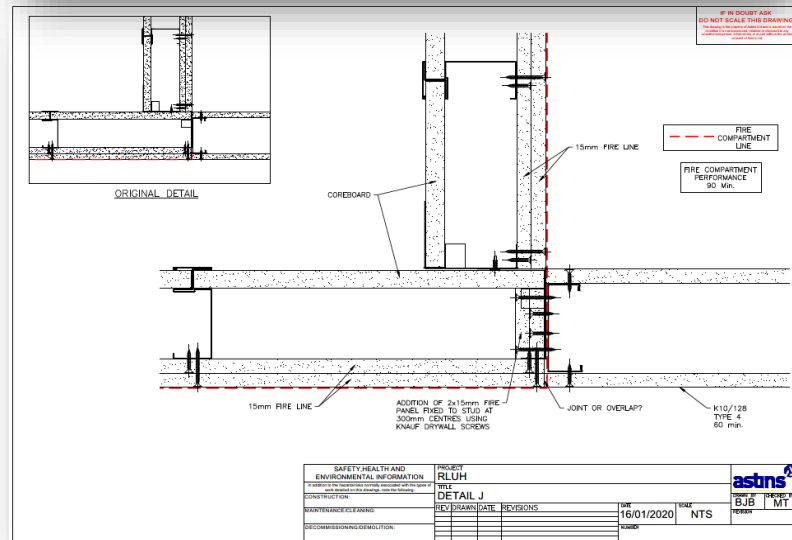
4. MEP Systems— Removal and Reinstallation 2019/22



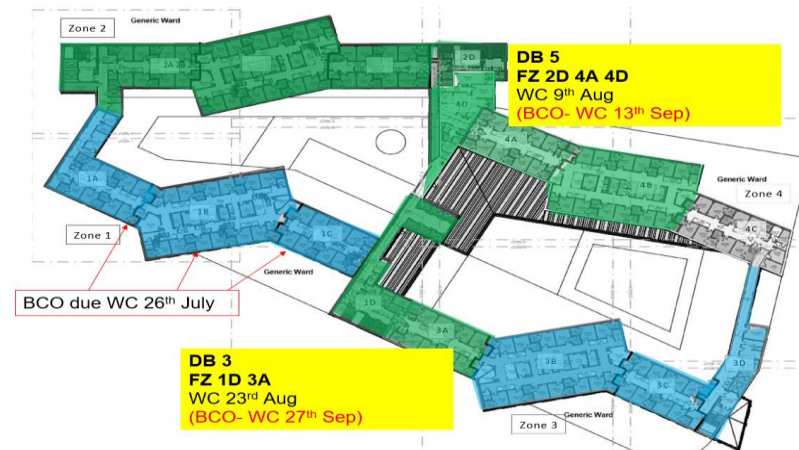
5. Fire Safety – Compliance & Remediation 2019/22



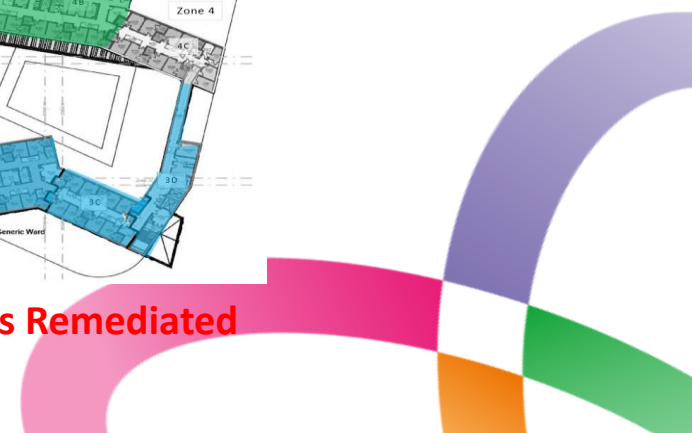
180 fire Zones across 11 floors remediated with every wall junction reviewed and repaired where required



4,500 Dry Lining Wall Abutments Remediated



35,000 Fire Stopping Penetrations Remediated



6. Assurance – Completion Criteria 2020/22

The image displays a stack of presentation slides related to project completion criteria for Annex 6 - CVE. The slides are layered, with the most prominent one in the foreground titled "Final handover".

Final handover slide content:

ROYAL LIVERPOOL UNIVERSITY & BIRCHDALE NHS TRUST
NEW ROYAL LIVERPOOL UNIVERSITY HOSPITAL PROJECT
Agenda for Royal Liverpool Pre-Completion Meeting
1st July 2021 LOR Compliance Room Commencing @ 11.00am

1. Completion & Operational Commencement Criteria		
A. Tests on Completion Status		Green
a. Physical Completion Criteria		Green
b. Operational Commencement Criteria		Green
c. List of Strapping Matters		Green
d. Meeting Minutes for Completion Documentation		Green
e. M&F Completion Criteria		Green
f. Designation of Completion Criteria		Green
g. Training - Service Provider Board		Green
B. Final Commissioning Programme		Lang O'Keefe
C. Service Provider Representations		Amber
D. RLIH NHS Representations		RLIH NHS
2. Certificate of Practical Completion		Green
3. Strapping Notice Issue		Green
4. Handover Documentation		LOR
a. Key Completion Documentation		LOR
b. Draft Health & Safety File		Green
c. Draft Building and O&M Manuals		LOR
d. Draft Equipment O&M Manuals		LOR
e. 'As Filed Drawings'		LOR

Handover of Keys slide content:

5. Handover of Keys		
a. Grand Master Key		RLIH NHS
b. Master & Sub-Master Keys		NHS/Amber
c. High Security Keys		RLIH NHS
d. Departmental Building Keys		RLIH NHS
e. Keys to FM, Plant & Equipment		Amber
6. Tests & Spares		Amber
7. Service Commencement		Amber
a. Service Personnel & Contacts Directory		Amber
b. Help Desk contact arrangements		Amber
c. Service Policies & Protocols		Amber
d. M & S Inductions		Amber
e. Access Protocols		Amber
f. Operational Attendance		LOR

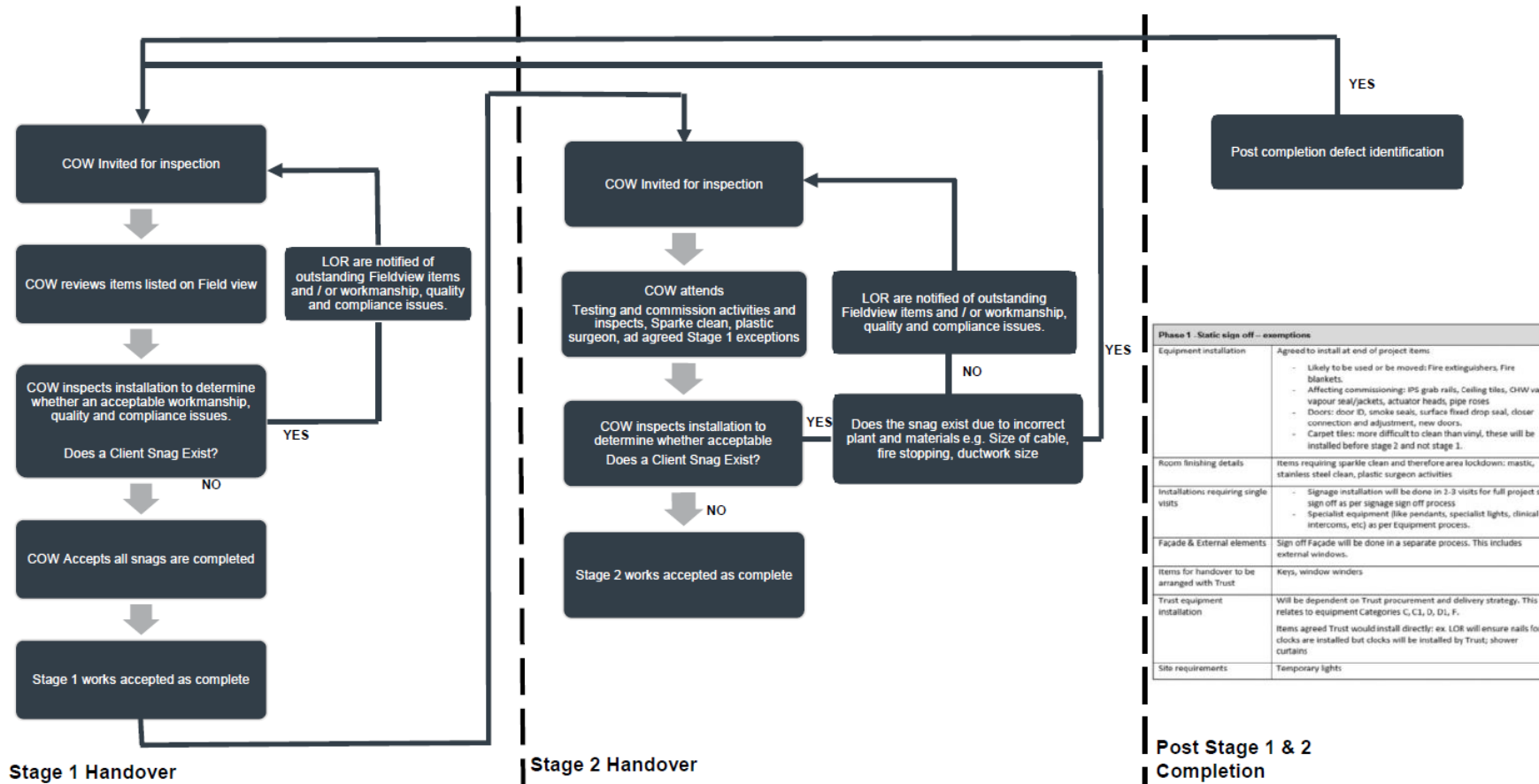
Ullery Meter Readings slide content:

8. Ullery Meter Readings		
a. Gas		Amber
b. Water		Amber
c. Electricity		Amber
d. Oxygen (O2)		Amber
e. Consumed Bottled Gases		Amber
9. Security Arrangements		RLIH NHS
a. Building Security arrangements / Access Control		Amber
b. Key / Pass Holders Schedule		Amber
c. Staff H&S Inductions		Amber
d. Migration Programme		Amber
10. Any Other Business		Amber
11. Next Meeting		Amber
a. Formal Completion Meeting 31st July 2021 Commencing 2.00pm		Amber

Other visible slide titles include: "Room handover - Annex 6 - CVE - Room pack", "Structural Interventions - Annex 6 - CVE", "Fire - Annex 6 - CVE - Design information", "M&F systems - Annex 6 - CVE", and "Annex 6 | Completion Criteria".

6. Assurance – COW / Quality Assurance

Room Handover Process



Tax Payer cost of a compliant building

1. Governance	£80m
2. Structural	£50m
3. Façade/Envelope Safety	£40m
4. MEP Safety/Comp.	£50m
5. Fire Compartmentation	£35m
6. Assurance	<u>£40m</u>
	<u>£295m</u>



7. Functional Suitability – Fit for purpose hospital for the next generation...



7. Benefit of opportunity for redesign 2020/22

With support of the team.. There were opportunities within the project which have been remodeled with significant changes to the clinical space to meet new service requirements.





- **“Agnes Jones” COVID Enablement unit opened for 6 months in 2020**
- **COVID benefit from lessons IPC, ventilation and patient flow**
- **Emergency Department – “fit for purpose redesign 8 years later”**
- **Podium drop off – “missing piece of the plan”**

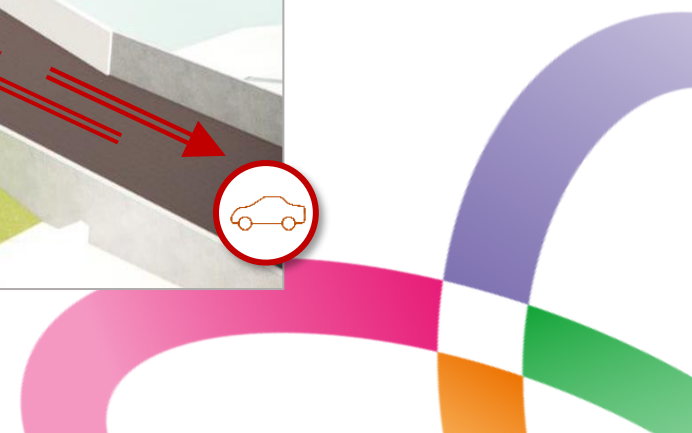
There have been circa 170 Trust funded improvements to the departmental configuration delivered during the project.



7. Royal Liverpool Hospital – Podium Solution

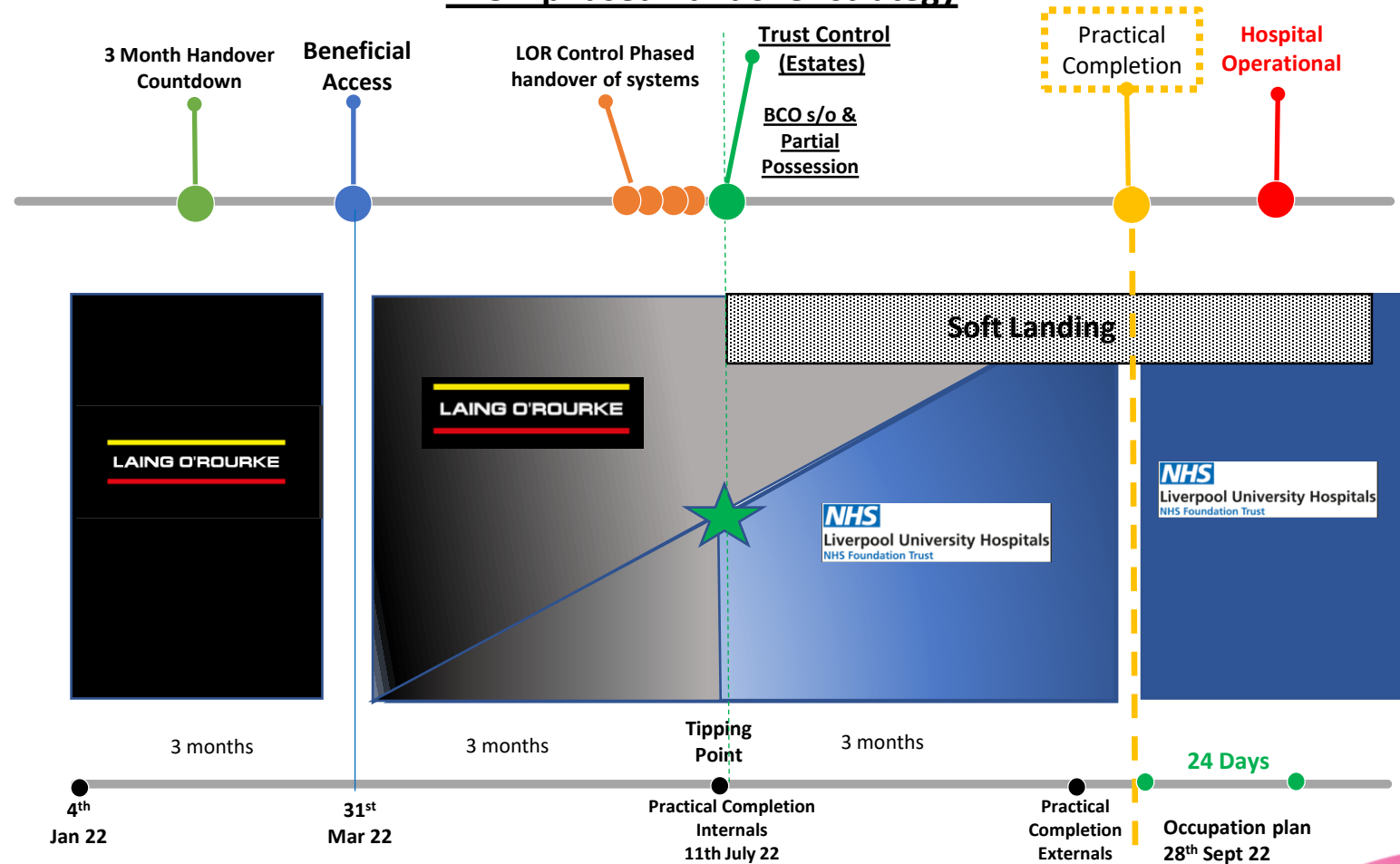
Stage 1 Podium Drop-off
SE Aerial View
(Mt Vernon Street)

-  Hospital Entrances
-  Blue Light/ PTS
-  Pedestrian
-  Private Vehicle



8. Post Completion of Remediation Building management March to Sept 22 –

RLUH phased handover strategy



8. Move Plan – 28th September 2022

21 days consecutive days

Day:	Area:	Other Moves	Site Moves:
Day 1 Wed 28/9	Pharmacy Dispensary moves into CSSB ✓		
Day 2 Thur 29/9	Hotel Services moves into CSSB		
Day 3 Fri 30/9	Outpatients Modules 1,2 & 3 & Hospitality Lounge. Radiology (OPD Provision), Therapies		Urology OPD from BGN to NH
Day 4 Sat 01/10	Outpatients Modules 1,2 & 3 & Radiology (OPD Provision), Therapies, Nuclear Medicine		Urology OPD from BGN to NH
Day 5 Sun 02/10	Outpatients Modules 1,2 & 3 & Radiology (OPD Provision)		Urology OPD from BGN to NH
Day 6 Mon 3/10	No Clinical Moves Trial outpatient pathways including radiology		
Day 7 Tue 4/10	Open New Hospital OPD St Paul's Clinics,		
Day 8 Wed 5/10	St Paul's Clinics,		
Day 9 Thur 6/10	St Paul's Clinics, Breast Unit		Vascular to Aintree
Day 10 Fri 7/10	St Paul's Clinics, Breast Unit		
Day 11 Sat 08/10	Snagging – No Clinical Moves		
Day 12 Sun 09/10	No Moves		
Day 13 Mon 10/10	Wards 7D,7A, CRF, Cardio Respiratory Unit, 1 General Theatre		
Day 14 Tue 11/10	Wards 6D, 6C, 1 General Theatre		
Day 15 Wed 12/10	Wards 8D, 8B, 8C, 1 General Theatre		
Day 16 Thur 13/10	8A, 4D, 4A, Endoscopy (4B), 1 St Paul's Theatre		
Day 17 Fri 14/10	Endoscopy (4B), 1 St Paul's Theatre		
Day 18 Sat 15/10	Ward 7B (Nephrology) , 7C, Endoscopy (4B) 1 IR Theatre, 1 St Paul's Theatre		Nephrology from Aintree
Day 19 Sun 16/10	Endoscopy (4B) Nephrology Dialysis Unit		
Day 20 Mon 17/10	6A, 6B, 5B, 2 General Theatres, 1 St Paul's Theatre		Urology from Aintree
Day 21 Tue 18/10	5D, 5A, 5C, 7B, Same Day Admissions, 2 General Theatres	Chapel	Liver & Colorectal from Aintree
Day 22 Wed 19/10	ITU, HDU & POCCU, FAU, NIV, ED, ACU, AMU, ESAU 2 General Theatres, ED, AMU,		
Day 23 Thur 20/10	2 General Theatres 1 IR Theatre		
Day 24 Fri 21/10	ALL MOVES COMPLETE		



October 2022



LIVING OUR VALUES



The NHS Estates & Facilities Conference 2023



SPEAKING NOW



Mark Songhurst

Programme Lead - Scan4Safety
Leeds Teaching Hospital NHS Trust

I will be discussing...

“Transforming patient care
through effective location
management”



The NHS Estates & Facilities Conference 2023



Q&A PANEL



Paul Fitzpatrick

Director of Estates & Facilities
- Liverpool University Hospital
NHS FT



Phil Shaw

Divisional Director
Tilbury Douglas



Wayne Youmans

Sales Director - OSS
Algeco UK Ltd



Mark Songhurst

Programme Lead -
Scan4Safety
Leeds Teaching Hospitals NHS
Trust

The NHS Estates & Facilities Conference 2023



Delivering Net Zero Panel Debate



Séverine Turgis

Sustainability Manager
North West London ICS



Tim Radcliffe

Net Zero Food Programme
Manager
NHS England



Fiona O'Mahony

Sustainability Programme
Manager
Cambridgeshire &
Peterborough ICS



Andrew Urquhart

Sustainability Lead
Suffolk & North East Essex ICB



THANKS FOR ATTENDING



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