



Vanguard
Healthcare Solutions

High quality, clinical capacity solutions, at pace

Meeting long and short-term
requirements for additional
or alternative capacity



Vanguard Healthcare Solutions offers healthcare organisations unique solutions to clinical capacity challenges

A mobile facility within weeks... or a purpose-built modular facility within months

Vanguard's expertise and capability are unique and mean that we can meet your needs whether the greater emphasis is on speed of delivery or having a facility that meets your particular requirements.

Vanguard's mobile facilities, which include operating theatres, wards, CSSDs, and endoscopy suites, can be open to patients within weeks of your enquiry. Over 330,000 procedures including orthopaedics, cataract surgery, general surgery, ENT and colonoscopies have been completed in these facilities.

Depending on your needs, we can connect our mobile facilities to each other or include bespoke modular facilities, reducing the time required to provide the best solution for you. A mobile facility can also provide capacity while we provide you with the ideal modular build.



Using modular construction means that we are able to complete up to 80% of the building in our factory

Benefits of our construction methods include:

- Vanguard can start construction and groundworks at the same time, meaning earlier completion
- Disruption for patients, staff and neighbours is minimised
- In the controlled environment of our factory, process management and quality control are more effective
- The streamlined process increases productivity and reduces project timelines
- The impact of unpredictable weather conditions is minimised
- Our team of craftsmen and healthcare building specialists is dedicated to delivering excellence in the healthcare sector

Another benefit of modular construction is that the facility can be reconfigured or repurposed when the facility's initial objectives have been met, ensuring long term sustainability



Dedicated to Healthcare, with clinicians at senior levels in our organisation, and with the experience of more than **150 successful installations in 18 countries, worldwide**, we have the expertise to supply your perfect facility.

We provide compliant, high quality, technically advanced, clinical infrastructure. Our modules fulfil all fire and building regulations equivalent to those of a traditional build, and offer distinct advantages:

- They are the tallest in the industry (4m)
- A concrete floor prevents vibrations
- Length is customisable, up to 12m
- Modules are stackable, up to six units high



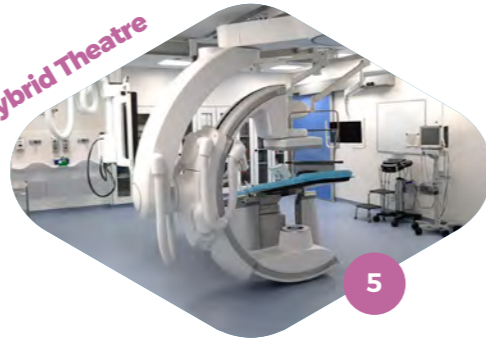
Laminar Flow Theatres



1

Space constraints did not prevent the placement of a mobile theatre for orthopaedic surgery, at Warwick Hospital.

Hybrid Theatre



5

A modular facility for interventional radiology can be ideally located, within months.

Surgical Centres



6

Mixed modality (mobile and modular) facilities, like those at Cardiff and Plymouth can easily be re-purposed as demands change.

Endoscopy Suites



7

With demand increasing, our wide range of mobile and modular facilities provides flexibility to locate endoscopy procedures and/or decontamination on site.

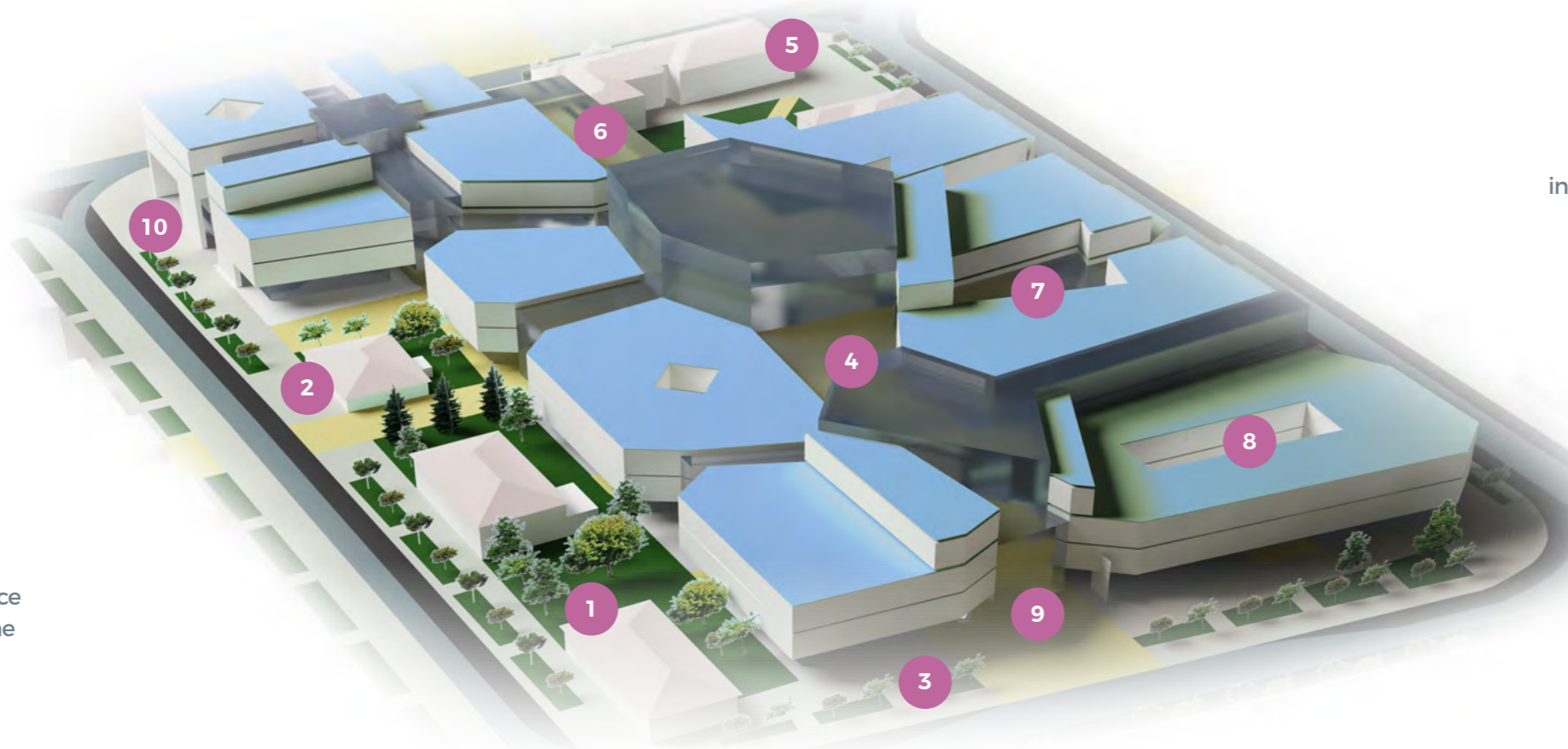
Day Surgery Hubs



2

At the Queen Mary Hospital, Roehampton, we built a four-theatre modular surgical hub in the car park.

Discover how our range and flexibility can provide additional capacity solutions to your estate



Wards



8

Mobile or modular wards can significantly increase the bed space available at a hospital.

Urgent Admission



3

At Peterborough we provided an Ambulance Handover Facility in an undercroft below the hospital main theatres.

Mobile Clinic facilities



9

Used for a variety of purposes including consult rooms, triage and to support mobile operating theatres.

CSSD



4

Mobile CSSDs (Central Sterilisation Services Departments) can be established where required within weeks, or tailored modular versions, within months.

Away from the hospital, our designs for modular **CDCs (Community Diagnostic Centres)** can be tailored to customers' requirements.



Intensive Care Unit



10

Vanguard is providing a 20 bed modular ICU, including all associated groundworks and links to the existing hospital building.

Our unique offering means we provide the perfect solution to many of your problems...

Replacement theatres during refurbishment for issues such as RAAC, fire remediation or air handling unit upgrades

Mobile facilities which can be commissioned within weeks of an enquiry, are the perfect solution for planned or urgent refurbishment projects.

Doncaster and Bassetlaw Teaching Hospitals (DBTH) was the first acute NHS provider in the country to successfully eradicate reinforced autoclaved aerated concrete (RAAC) from its sites. Throughout the project, theatre services on the site remained fully operational, being performed in three Vanguard mobile laminar flow operating theatres.

In just 10 weeks, Vanguard delivered a turnkey package with modular-built support rooms, a connecting corridor, and firewalls for the three mobile theatres.



Additional capacity for elective surgery

Vanguard has provided many facilities that focus on reducing waiting times for elective surgery, across the range of mobile, modular and mixed modality solutions.



To increase capacity for orthopaedic surgery, **South Warwickshire University NHS Foundation Trust** opted for a mobile laminar flow operating theatre with Vanguard staff and equipment. Our theatre, connected to the main building by a corridor, has been set up as a 'surgical hub' – not used for trauma or other specialities. This allows for a high throughput that triggers funding required to make possible the investment in the mobile theatre. The hub serves not only South Warwickshire but neighbouring Trusts, too. Soon after opening, the theatre had achieved 5 joints in one day.



Newcastle upon Tyne Hospitals NHS Foundation Trust, sought the solution to a significant backlog of patients needing cataract surgery, exacerbated by the COVID-19 pandemic. Working alongside the trust, Vanguard Healthcare Solutions designed and built a modular cataract centre. This three-theatre complex performs up to 1,000 cataract procedures a month.



"This is a great example of transformational thinking to provide a much swifter service with a clear focus on patient care and experience. It's a model which I'm certain will be rolled out across the wider NHS."

Dame Jackie Daniel
Chief Executive, Newcastle upon Tyne NHS FT

For more information about these case studies, scan the QR codes or visit: www.vanguardhealthcare.co.uk/case-studies/



Meeting the higher demand for endoscopy procedures

Vanguard offers a wide range of mobile endoscopy facilities, and modular builds are designed to meet any specification.

Vanguard Healthcare Solutions worked alongside the **Frimley Health NHS Foundation Trust** to design and build an endoscopy "one-stop" solution which incorporates not only two high quality clinical procedure rooms but also an in-house endoscope decontamination suite.

The building also includes a reception and waiting area, two consultation rooms, six-bed recovery bay, patient facilities and kitchen, staff welfare and plant, technical and storage rooms. The complex was built in a little under two months.

"We were very impressed with the speed at which the new endoscopy suite was designed and built. It has enabled us to rapidly increase capacity for these important diagnostic services at Wexham Park Hospital so that more of our patients can be assessed as soon as possible."

Stephen Holmes,
Associate Director
of Capital at
Frimley Health



Urgent & Emergency Care Solutions

In **Peterborough City Hospital**, a Vanguard mobile ward, deployed as an innovative 'ambulance handover' facility, increased patient capacity at busy times, enabling ambulance staff to resume responding to 999 calls.

"Working with Vanguard couldn't have been easier. Before the facility was installed, there was concern because we were installing a facility during a very challenging time and with us still needing to run our emergency department. The installation was completed extremely quickly."

Caroline Walker, Chief Executive,
North West Anglia NHS Foundation Trust



Increasing ward capacity

Additional overnight ward capacity was required by **Blackpool Teaching Hospitals NHS Foundation Trust** for the Emergency Village programme which supports the Emergency Department.

Within 5 months of the start of the project, a 24-bed modular ward, including 3 single rooms and all necessary support rooms and facilities, had been designed, bespoke to the needs of the Trust, built and commissioned.

"Traditionally the winter is the NHS' busiest time so the new ward will play an important part in helping to ease these pressures and is a fantastic addition to the hospital."

Pauline Tschobotko, Deputy Chief Operating
Officer for Blackpool Teaching Hospitals



Vanguard is a provider of clinically-focussed turnkey solutions

With our extensive specialist healthcare team, we offer a full turnkey solution for the delivery of both our mobile and modular Healthcare Spaces. We can manage the complete process from business case approval, through in-house design and manufacturing, and site installation to project commissioning.

As your principal designer and/or principal contractor, we reduce the impact on your supply chain and simplify the site construction element of the project.

Setting us apart further, is the way our clinical experts work closely with you throughout each stage of the process to ensure that we fully understand your needs and requirements. Our goal is to not only meet your capacity needs but also to create an environment that fosters a clinically excellent patient and team experience.

To achieve this, our team provides support with mapping clinical patient flow, reviewing storage requirements, waste management flow, and staff rest accommodation. We believe that these factors play a crucial role in ensuring the delivery of high-quality clinical services.

We also meet your needs for medical equipment and staffing solutions

We offer a complete equipment list for each of our Healthcare Spaces. This can include anaesthetic and diathermy machines, endoscopes, microscopes, and monitors. Also, operating tables, surgeons' stools, fully stocked resuscitation trolleys, instrument trolleys, PAT slides and patient trolleys.

Our solutions also extend to the provision of a highly experienced clinical workforce. Our team includes nurses, operating department practitioners, and healthcare support workers who provide exceptional clinical services, supporting anaesthetic, medical, and surgical teams in hospitals.



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