



Innovation in Construction

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Hospital

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**Wrightington,
Wigan and Leigh**
NHS Foundation Trust

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**Wrexham Maelor
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WELCOME TO THE MTX FEATURED PROJECTS PORTFOLIO

We are a privately owned specialist contractor, using Modern Methods of Construction (MMC) to deliver complex built environments to the NHS, and many other private healthcare and life-science clients.

Supported by 40 years of specialist healthcare experience and a proven partner to the NHS, we are industry experts in the design, engineering and construction of high-specification built environments.

Complex is our comfort zone.

Whether it be a brand-new scheme, an extension to an existing facility, or a refurbishment, remodel or turnkey fit-out, we apply the latest Modern Methods of Construction and our agile project management approach, to ensure our clients receive the very best construction solution every time.

Our extensive healthcare portfolio includes state-of-the-art operating theatres, wards, outpatients accommodation, ICUs, A&Es, mental health facilities, cleanrooms, mortuaries and ancillary accommodation.

We deliver a single-source solution, following the RIBA Plan of Work, and have a proven track record delivering maximised pre-manufactured value, the very best quality, and a greener more sustainable solution for our clients.



David Hartley
Managing Director

OUR PURPOSE

IMPROVING the **CARE** of **GENERATIONS**
through **AGILE PROJECT DELIVERY**

OUR BESPOKE MMC SOLUTIONS MAKE A POSITIVE CONTRIBUTION TO ACHIEVING OUR CLIENTS' TARGETS



Maximised Pre-Manufactured Value (PMV)

We consistently promote the use of Modern Methods of Construction (MMC) to deliver maximised pre-manufactured value to our clients. This includes up to a 50% reduction in programme, less disruption to site, a higher-quality solution and up to a 45% reduction in carbon emissions.

Specialist in-house healthcare expertise

As a single-source solution, we guarantee expert in-house consulting, design, engineering, project management and construction experience for environments that require a high-level of mechanical and electrical engineering coordination.

Bespoke solutions, quality assured

Our bespoke approach to MMC ensures clients receive all of the benefits of a pre-manufactured solution, without compromising on quality, their architectural aspirations, or the internal and external aesthetic or layout.

Unmatched portfolio

We've delivered over 200 operating theatres and 2,500 compliant bed spaces, making our portfolio extensive and unmatched. We are proud to have gained an enviable reputation and a proven track record for consistently meeting client expectations in terms of safety, programme, budget, design and quality.





OFFSITE
AWARDS 2022

WINNER

HEALTHCARE PROJECT OF
THE YEAR

MTX CONTRACTS



John Radcliffe Hospital

This 48-bed critical care project was delivered to Oxford's John Radcliffe Hospital, utilising MMC. Part of a regional approach for managing critical care demand, the aim was to support and alleviate future seasonal and epidemic pressures.

The new five-storey facility, Oxford Critical Care (OCC), comprises three 16-bed wards across three floors, a dedicated plant room and non-clinical accommodation such as seminar rooms on the remaining two. By using MMC, MTX quickly delivered this high-quality new hospital facility cost effectively. Over five days 148 modules were safely and efficiently craned into place.

Client:
**Oxford University Hospitals NHS
Foundation Trust**

Construction period:
60 weeks

Size:
5,450m²

Project:
Five-storey critical care building





Kent and Canterbury Hospital

East Kent Hospitals University NHS Foundation Trust had scope to extend their current operating services and provide further orthopaedic theatres to Kent and Canterbury Hospital.

The project was completed over various phases. MTX had to build a new medical physics building, remove asbestos and demolish an existing office block, as well as refurbishing a day-care surgery department before construction could begin. The finished single-storey facility houses four theatres each with dedicated prep and anaesthetic, a bright and spacious reception with waiting area, an eight-bed recovery bay and all the necessary ancillary.

Client:
East Kent Hospitals University NHS Foundation Trust

Construction period:
48 weeks

Size:
1,010m², refurbishment 725m²

Project:
Elective orthopaedic operating theatres





William Harvey Hospital

A 24-bed Intensive Treatment Unit (ITU), officially blessed by the Archbishop of Canterbury.

Across two storeys, MTX delivered a new ITU (split into four independent areas comprising four bed positions and two isolation rooms in each), two dedicated separate plant rooms and ancillary accommodation. The facility needed to link into the first floor of the hospital in three separate locations to ensure smooth level access from other upper floor ward areas. To achieve this, a traditional steel transfer deck was constructed with a traditional 250mm rib deck slab, meeting all HTM/HBN regulations.

Client:
**East Kent Hospitals University NHS
Foundation Trust**

Construction period:
54 weeks

Size:
4,200m²

Project:
Intensive treatment unit





Queen Elizabeth Hospital

The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust wanted to rehouse their existing endoscopy department into a new two-storey state-of-the-art facility.

MTX delivered four endoscopy rooms, six-bed male and female recoveries, prep rooms, assessment rooms, a discharge lounge, a reception with large waiting area and all the necessary ancillary on the ground floor. The first floor houses a modern office space and rest areas dedicated to the hospital staff. Utilising MMC, the project allowed the hospital to continue operating throughout the onsite construction phase with limited disruption and speed of delivery.

Client:

**The Queen Elizabeth Hospital King's Lynn
NHS Foundation Trust**

Construction period:

50 weeks

Size:

2,508m²

Project:

Endoscopy facility





Hereford County Hospital

Wye Valley NHS Trust had scope to expand the current ward facilities at Hereford County Hospital, the area's leading centre for acute hospital care. One of 20 new hospital upgrades under Johnson's NHS Build Fund, we were proud to facilitate a visit from the Prime Minister during construction.

The development includes 72 bed spaces split across three 24-bed wards, each with a dedicated reception and all the necessary ancillary. The new building connects to the hospital at ground-floor level and includes a twin precast lift shaft.

Client:
Wye Valley NHS Trust

Construction period:
60 weeks

Size:
3,500m²

Project:
72-bed ward development







Leighton Hospital

Mid Cheshire Hospitals NHS Foundation Trust had a requirement to expand their current accident and emergency capabilities in order to cater for a larger patient intake across the Crewe area.

Opened by the Secretary of State for Health and Social Care, Sajid Javid, this new two-storey building has increased the number of treatment rooms, rapid assessment rooms, isolation bays and mental health assessment rooms, in addition to providing a new bereavement suite, CT and X-Ray capabilities, a dedicated paediatrics unit and first-floor staff offices.

Client:
Mid Cheshire Hospitals NHS Trust

Construction period:
58 weeks

Size:
4,200m²

Project:
Emergency department extension



OFFSITE
AWARDS 2021

WINNER
HEALTHCARE PROJECT OF
THE YEAR
MTX CONTRACTS



Norfolk and Norwich University Hospital

Following a demanding fast-track pre-construction stage, MTX was awarded the contract to provide a new state-of-the-art ward development for Norfolk and Norwich University Hospital. Ingenious designing and the use of MMC, compressed this projected three-year project into just one.

The facility comprises a ground-floor 32-bed Acute Medical Unit (AMU), a first-floor 33-bed Adult Stroke Unit (ASU) and a second-floor 33-bed High Dependency Unit (HDU). It connects into the current wards via linkway corridors, with a gradual slope introduced to provide a seamless flow between departments.

Client:
**Norfolk and Norwich University Hospitals
NHS Foundation Trust**

Construction period:
44 weeks

Size:
4,300m²

Project:
Award-winning 3-storey ward development





Norfolk and Norwich University Hospital

An ingenious, modern rooftop solution for this space-limited hospital site. MTX was appointed as the principal contractor to provide a state-of-the-art Interventional Radiology Unit (IRU); a department designed to provide an alternative to open surgery, using radiological image guidance, such as X-rays, to provide diagnosis and treatment, offering a quicker recovery time for patients.

The finished single-storey extension provides the hospital with four large treatment rooms with dedicated control and technical rooms, two 7-bay recovery wards including private side rooms, a welcoming reception with waiting area and all the necessary ancillary.

Client:
**Norfolk and Norwich University Hospitals
NHS Foundation Trust**

Construction period:
52 weeks

Size:
1,450m²

Project:
Award-winning rooftop IRU





Glenfield Hospital

Integral to the University Hospitals of Leicester NHS Trust's plans to develop the city's hospitals, this project was to create a new 12-bed renal ward department, plus an extra 52 acute beds at Glenfield Hospital.

Spending time with the Trust's stakeholders, MTX established a bespoke offsite solution. The single-storey extension housed a 12-bed Renal Transplant Unit (RTU) and Hepato-biliary Wards (HPB) consisting of a 24-bed Emergency Admissions Unit (EAU) and a 28-bed Elective Care Unit (ECU), all serviced by individual receptions, two plantrooms and accommodation staircases with breakthroughs into the existing levels.

Client:
University Hospitals of Leicester NHS Trust

Construction period:
74 weeks

Size:
3,700m²

Project:
Innovative rooftop ward extension





Leicester Royal Infirmary

A winner at the RICS Awards 2022 for Public Sector Project and Highly Commended at Building Better Healthcare Awards 2021. University Hospitals of Leicester NHS Trust had scope to construct new facilities to house the East Midlands Congenital Heart Centre.

Within a bespoke two-storey facility, MTX delivered an operating theatre, catheter lab, recovery suites, outpatients and diagnostics facilities. The theatre and catheter lab were constructed on the first floor from a modular framed traditional cast-in-situ concrete floor and the steel structure was upgraded to minimise vibration.

Client:
University Hospitals of Leicester NHS Trust

Construction period:
52 weeks

Size:
1,080m²

Project:
East Midlands congenital heart centre





Hillingdon Hospital

A multi-purpose ward block, delivered to this acute and specialist service providing hospital in the North West of London.

The Hillingdon Hospitals NHS Foundation Trust had a requirement to extend the current ward facilities at Hillingdon Hospital; which provides the majority of services for the Trust. The initial request was a single storey ground floor extension, to house a new 20 bed decant ward. However, the clinical needs changed and grew to a ground floor 28 bed ward, within a 3-storey facility to also house additional specialist wards. In total the new facility includes 70 new bed spaces across 3 multi-purpose wards, each served by a main reception and all necessary ancillary.

Client:
**The Hillingdon Hospitals
NHS Foundation Trust**

Construction period:
Phased over 17 months

Size:
2,550m²

Project:
3 storey ward facility





Guy's Hospital

On behalf of Guy's and St Thomas' NHS Foundation Trust, Johnson & Johnson had scope for a new orthopaedic operating theatre to be constructed on the Guy's Hospital site.

MTX was the primary contractor for the supply, delivery and commissioning of the new state-of-the-art theatre suite with dedicated scrub and anaesthetic, a four-bed recovery, prep room, nurse base, clean and dirty utility and ancillary rooms on level 1 and a plantroom on level 2.

Client:
Johnson & Johnson

Construction period:
40 weeks

Size:
850m²

Project:
Orthopaedic operating theatre







Hall Analytical

Hall Analytical forms part of Element; the UK's premier supplier of chromatography products. Due to their continued growth, Hall Analytical needed to expand their services to a new site.

MTX provided the complete fit out of eight laboratories within a bespoke single-storey solution. This enabled the end users to test compositions of solids or liquids and identify compounds of samples, among other examination activities. Full compliance was achieved in relation to pharmaceutical product and material testing, with construction works completed to the highest standard, utilising ultra-clean materials and finishes.

Client:
Hall Analytical

Construction period:
25 weeks

Size:
1,260m²

Project:
Laboratory fitout





Luton and Dunstable University Hospital

Luton and Dunstable University Hospitals NHS Foundation Trust had a requirement for additional theatre capacity to cater for a larger patient intake. MTX designed and constructed a bespoke facility, providing two additional storeys, directly adjacent to the existing hospital street.

The ground floor comprises the twin theatres, scrub, anaesthetic, 24-bed recovery, consulting rooms, a changing area and central reception with waiting area, while the first floor houses the dedicated plant room. In addition to the theatre development, MTX also constructed a single-storey temporary eye day surgical unit.

Client:
**Luton and Dunstable University Hospitals
NHS Foundation Trust**

Construction period:
50 weeks

Size:
1,450m²

Project:
Twin theatres





Wrexham Maelor Hospital

Betsi Cadwaladr University Health Board required additional theatre capacity at Wrexham Maelor Hospital. The old theatre needed urgent modernisation and an additional endoscope procedure room was required.

Within a two-storey scheme, MTX provided two operating theatres, an endoscope procedure room with admission room, two recovery wards, all the necessary ancillary and two first-floor plantrooms. Timber and concrete flooring were utilised, complying with all the relevant Health Technical Memoranda (HTM) and the internal design and colour scheme was chosen based on the hospital's current decor and previous MTX endoscopy projects.

Client:
Betsi Cadwaladr University Health Board

Construction period:
30 weeks

Size:
751m²

Project:
Twin theatres and endoscope procedure room





Derriford Hospital

There was an urgent requirement for a new outpatients department at Derriford Hospital, as the current one was being refurbished into an A&E extension. MTX fast-tracked the project, finishing on time and to a high standard.

The solution was a single-storey standalone facility, separate from the main hospital to minimise risk of secondary infection. It comprised 21 clinic rooms, a four-bed infusion bay for rheumatology patients department, an ultrasound, plaster room, phlebotomy area, ancillary accommodation and an X-ray department. Completed in just nine weeks from receipt of order, it was MTX's fastest build to date.

Client:
University Hospitals Plymouth NHS Trust

Construction period:
9 weeks

Size:
800m²

Project:
Fast-track outpatients department





Northwick Park Hospital

London North West University Healthcare NHS Trust required a new development to provide acute ward accommodation for 48 bed spaces, together with 15-bed isolation wards and ancillary rooms.

MTX designed, installed and commissioned a new five-storey extension at Northwick Park Hospital in Harrow, completing the entire project in 49 weeks.

Client:
**London North West University
Healthcare NHS Trust**

Construction period:
49 weeks

Size:
4,327m²

Project:
63-bed and infectious disease ward





Wrightington Hospital

Wrightington, Wigan and Leigh NHS Foundation Trust required additional operating theatre capacity in order to cope with increased demand.

Two theatre suites were required at opposite ends of the site. Each theatre suite comprised of an operating room with integral scrub-up, an anaesthetic, a sterile pack store preparation room, a dirty utility and a staff rest area.

Client:
Wrightington, Wigan and Leigh
NHS Foundation Trust

Construction period:
18 weeks

Size:
488m²

Project:
Theatre suites



What our clients said

"This is a fantastic new building, which has been constructed on a limited budget. We have been able to incorporate advanced 21st Century designs that, from experience, will enable the clinical team to provide efficient and excellent clinical care for patients while working in a modern, bright, naturally lit, person-centred environment. The design of the new critical care building has attracted considerable external interest, including from NHSE/NHSI and we believe it will prove to be a landmark building."

Lyn Bennett

Matron for Adult Critical Care
and Clinical Lead Advisor Nurse
for Oxford University Hospitals
NHS Foundation Trust

"Innovation in construction is exactly what MTX delivered with our three-storey ward project and we are extremely pleased to have made use of the 98 bed spaces in just 12 months. Excellent communication and health and safety skills saw the successful building installation through the global Coronavirus pandemic, ensuring minimum impact on the project programme. Thank you to the whole MTX team for the attention and care taken throughout the duration of the project."

Steve McIntosh

Ward Block Manager
for Norfolk & Norwich University
Hospitals NHS Foundation Trust

“MTX has brought professionalism and innovation to deliver a cutting-edge rooftop IRU to Norfolk and Norwich University Hospital. This ingenious design enabled the Trust to make use of 1,450m² of extra accommodation, while ensuring no further ground space was used. The construction of the new IRU has been delivered with high health and safety and quality build standards. The IRU staff have expressed their anticipation to operate in their new facility.”

Chris Axford
Assistant SPC Manager
c/o Octagon Healthcare Ltd

“MTX has worked collaboratively with University Hospitals of Leicester NHS Trust to provide an additional 64 inpatient beds, split across three wards. The wards have been constructed on the existing hospital roof, directly above live wards. Not only did this radical design solution help us to achieve good clinical adjacencies, but it enabled Trust operations to continue with relatively low disruption. While challenges were inevitable with the construction of this solution, MTX has always prioritised appropriately and the site management team have been good at communicating directly with clinical staff and other stakeholders when required. Quality of fit and finish is to a high standard and the clinical staff are rightly excited to be working in the new facility.”

Ryan Milbourne
Capital Programme Manager
for University Hospitals of
Leicester NHS Trust

“In partnership with J&JMS, MTX has delivered an exceptional building, which provides GSTT [Guy’s and St Thomas NHS Foundation Trust] with additional surgical and recovery capacity. Despite the constant challenges associated with delivering a build project within one of the busiest parts of central London, MTX delivered the theatre complex on time and under budget. With the new theatre connecting into a live operational area, MTX’s collaborative approach enabled the project to be completed with no clinical incidents, ensuring continuity of care throughout the process.”

Adam Davies
Operations Manager
for Johnson & Johnson

Social Value

"When it comes to Social Value we are committed to being social innovators. Driven by the desire to improve care and comfort across the generations through our healthcare facilities, we deliver and continuously strive for better, more sustainable ways of working. We also engage with individual clients to understand the wider community needs in a particular region, exploring new opportunities to develop ideas and initiatives that can make a tangible difference in people's lives."

David Hartley
Managing Director

In **2021/22** we are supporting the development of **8 apprentices** which include **4 trade, 2 professional** and **2 management**

46 employment opportunities provided and sustained between 2017 and 2022



100% employees paid Manchester **living wage**, cascading through supply chain pre-let agreements

In **4** years we have **provided** a total of **7 work placements**



78% turnover spend with **local supply chain partners** within 30 miles of our sites



18 formal **qualifications funded** over the last **4** years



2 days **volunteering** per employee encouraged

Generating **48%** less **CO2e** per **£100k** of revenue

26% of our vehicle fleet is **hybrid**





98% of our construction **waste diverted** from landfill

98% of timber **verified** and coming from legal and **sustainable** sources



Fundraising of

£10,000



to local **youth football** teams

900

hours of behavioural safety training



1240



vehicle movements mitigated



Commitment

to the **guiding principles** of the **Building Mental Health Charter**

EPC B RATING

achieved at our Northwick Park Hospital Project

36 of our direct **employees**

have attended **environmental training** since September 2017

Annual supporter of **Lighthouse**, The Construction Industry Charity every **£1** donated **equates to**

£7.82 in social value.

100% of new and historic suppliers **evaluated against sustainability criteria** ✓

£200,000

donated to **local charities** in the last four years



Free boxing sessions

throughout 2022 for all staff at Mid Cheshire Hospitals NHS Foundation Trust.

Accreditations

At MTX we are committed to continuous improvement and ensuring that we deliver all of our activities within a uniform, systematic and pre-determined approach.

Our activities are benchmarked across the business from quality management systems, pre-qualification and affiliations through to the recognition of awards we receive for prestigious and innovative projects.

Procurement

MTX has been successful in securing a position on several government frameworks, available to procure to public sector organisations in England and Wales.

These frameworks are OJEU compliant, allowing straightforward procurement and have the ability to provide the service in purchase, long-term and short-term hire.

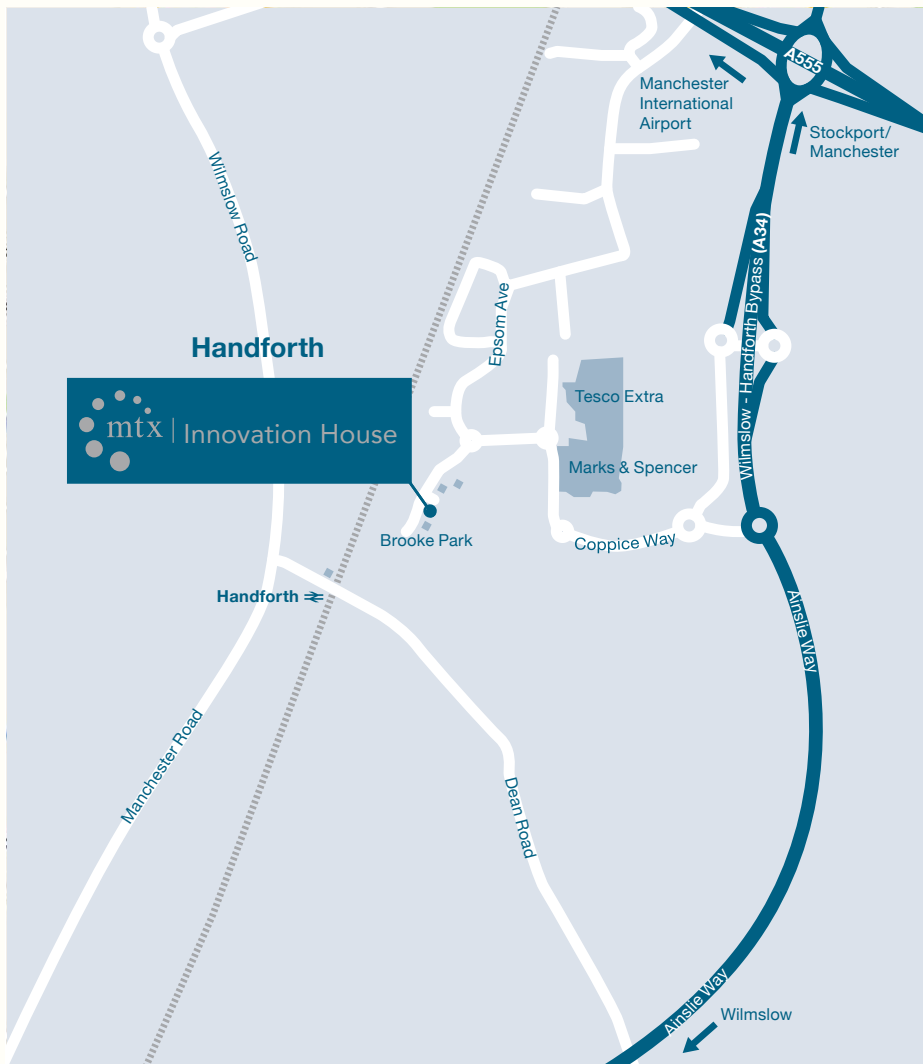


INVESTORS IN PEOPLE™
We invest in people Gold




NHS
Shared Business Services
FRAMEWORK AGREEMENT SUPPLIER





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