



Healthcare

An introduction to how we can help healthcare companies.



We work closely with healthcare stakeholders to reduce disruption to operational site activities and provide high quality, sustainable Modular Healthcare solutions that fully meet all HTM/HBN Standards, either through Hire or Purchase.

Wards / Theatres



Our extensive experience in the industry has included delivery of multiple ward schemes, from temporary decant solutions to assist during a wider programme of works, to permanent ward structures.

We design and construct theatres of all sizes, from single to multiple and including all disciplines such as General, Ultra clean, ICU, Maternity, Orthopaedic.

Diagnostic Facilities



Actiform has a wealth of experience designing and building bespoke diagnostic facilities including Community Diagnostic Centres (CDC's) and have played a part in the government drive to reduce waiting list for such procedures across several UK NHS sites as well as Private Healthcare sites. More recently, we are working with partners to create fully JAG compliant solutions.

Clinical Refurbishments



In more recent years, we have completed and continue to offer a refurb and repurpose service which has seen us carry out numerous ward refurbishments within existing hospitals and also the complete strip out and repurpose of city centre, high street offices spaces into clinical spaces.

Clinical Buildings



We have designed a variety of clinical spaces on NHS sites such as Assessment, Outpatients and surgery departments

Aseptic Suites and Laboratories



Throughout the last 4 decades, we have delivered several Aseptic facilities in compliance with ISO 14644 and complete HVAC services. We've worked with some of the biggest names in the industry to create bespoke solutions for specific, unique requirements.

Laboratories



We've worked with some of the biggest names in the pharmaceutical industry, creating bespoke solutions to their unique requirements.

Who We Work With



“We’ve had investment in buildings across the trust to help enhance our patient care, so it has been amazing to see how quickly this new wing has come together. It is great to see it open and it will make a huge positive difference to both our patients and the staff working in these new state-of-the-art areas.”

CLARE PANNIKER
CHIEF EXECUTIVE AT MSEFT



**Southend University
Hospital**
NHS Foundation Trust

Nice To Meet You

We would like to say ‘hello’ and introduce our family run business which is focussed on delivering high quality and fast paced modular and refurbishment projects in the Healthcare Sector.

With over 40 years experience within the Healthcare Sector, Actiform has forged a strong reputation for the provision of quality bespoke buildings designed to meet the needs of the Client and meet the demands of HBN/HTM compliance.

Drawing on internal resources and external consultancies we can provide a full turnkey package in the provision of large or small facilities, or working with your own team of Consultants as part of a design team to give a tailored solution. Whether it be Wards, Theatres, Scanner Facilities, or Clinics we have the track record and experience to help your project run on time and on budget.

We welcome the opportunity to have a conversation so we can understand better how we can help each other. I would be happy to do this virtually or in person.

We look forward to hearing from you.

Let's Talk



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First Of All...

Why Modular?

Our Clients look for modular for many reasons.

Most often due to speed, but there are many more advantages such as minimal disruption, which is ideal for busy operational sites such as health care settings and of course environmental benefits such as travel reduction and materials usage.

- ✓ Speed
- ✓ Safety
- ✓ Environmental Benefits
- ✓ Quality
- ✓ Minimal Disruption
- ✓ Planning
- ✓ Performance
- ✓ Lower Defects Zero Target
- ✓ Social Value
- ✓ Levelling Up



Timescales

A comparison between how long installation of traditional units would take compared to MMC.

3 Storey Wards with X-ray Room



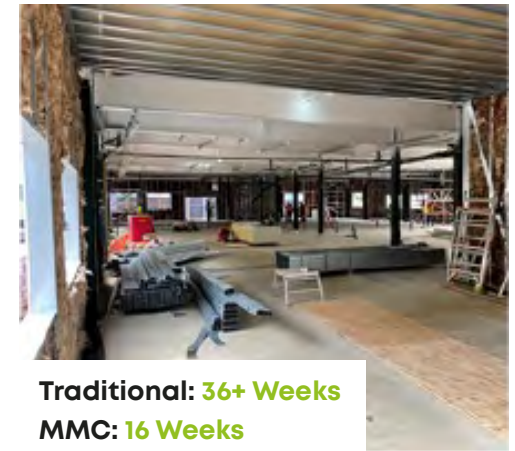
Adult Assessment Unit (AAU)



Mammography Unit



Training and Education Centre



FACT

Our work at Princess Alexandra Hospital between October 2020 to Dec 2021 included 10 completed schemes.



Client:
Southend
University Hospital

Duration:
20 Weeks

Value:
£9M

CASE STUDY

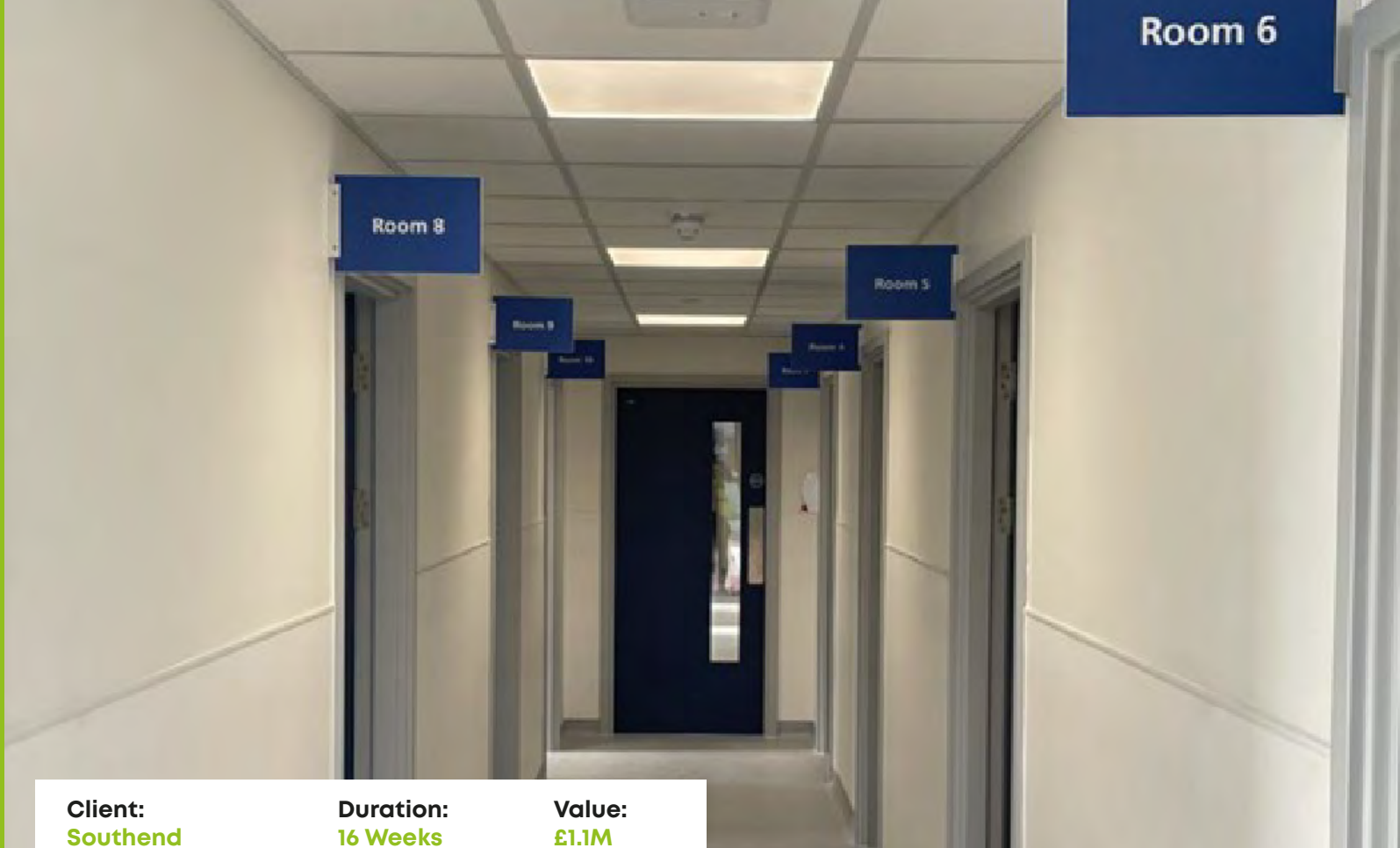
Cherry Tree Wing

During the peak of restrictions in the first part of 2021, we worked with Galliford Try to deliver a 3-Storey Building for Southend University Hospital. The building has been highlighted as a 'one-stop-shop' for improving patient care.

The ground floor is especially designed for Same Day Emergency Care, who's treatment needs specialists but only requires a day in hospital. The facility ensures they are seen quicker and stops them being admitted to hospital.

The first floor houses 18 bed spaces. The location of the unit complements the same day emergency care facilities on the ground floor, reducing the journey and wait time for those needing CT, MRI or ultrasound scans.

The top floor offers a brighter more spacious discharge unit. It has been created to provide a relaxing and faster discharge experience for patients getting ready to leave hospital. It's an area for patients to stay on their last day of hospital while staff make their final preparations to be safely able to go back home. The floor also offers its own Pharmacy which enables medications to be dispensed in a more efficient manner. The facility has a SBEM rating of B+ and is partly driven by solar energy.



Client:
Southend
University Hospital

Duration:
16 Weeks

Value:
£1.1M

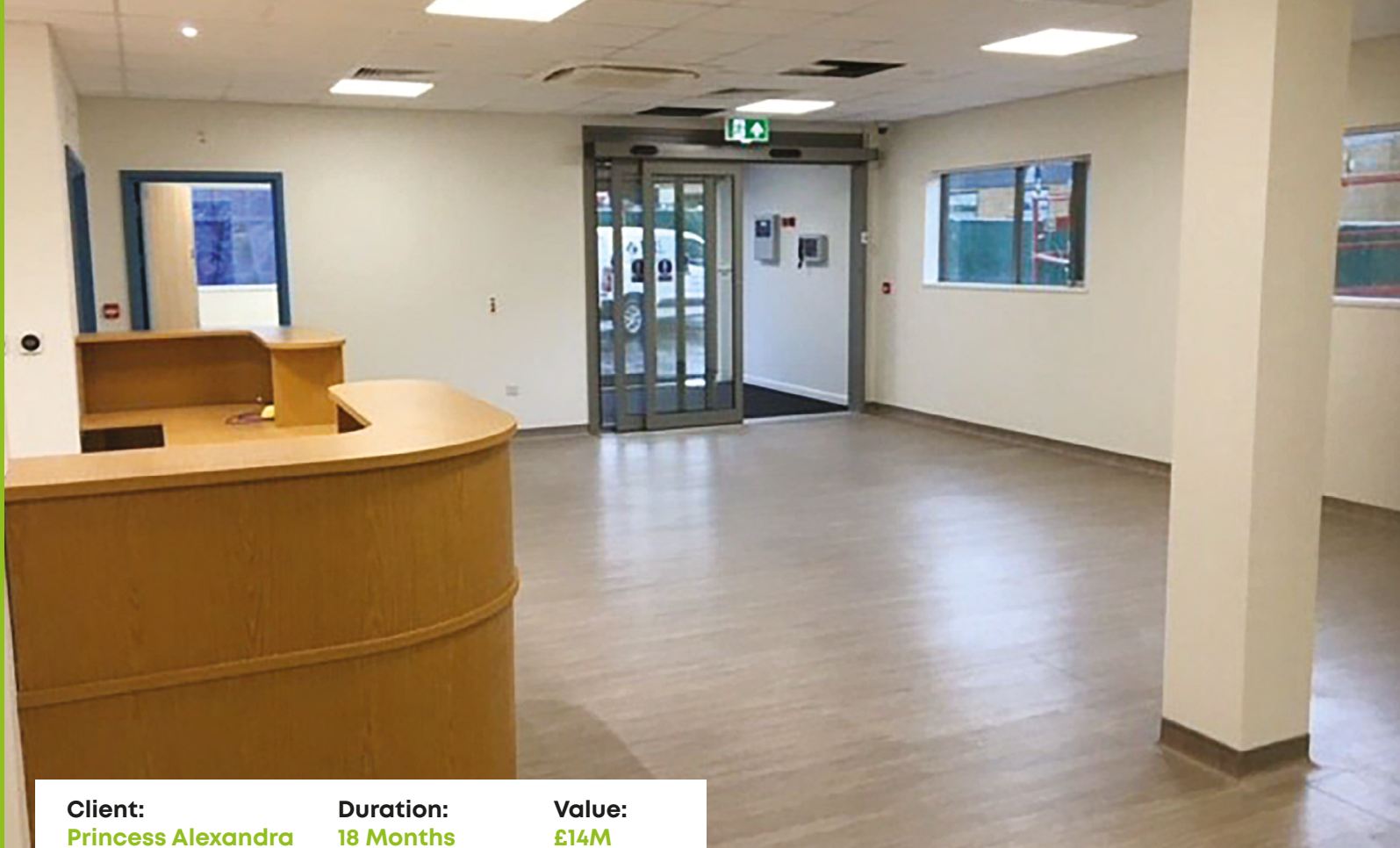
CASE STUDY

Out Patients Department

We have recently completed a much-needed Outpatients Department (OPD) to relieve capacity constraints at Southend University Hospital. Originally designed as a standalone facility, we worked with the Trust to review and understand patient flow around the complex and operational needs of the project site; the department is directly next to the main entrance to the hospital. Following the review process, the building now links to the existing hospital building.

The OPD has created 14 modern, HTM/HBN compliant consulting rooms, a mix of single and family sizes rooms, this is supported by a series of office space and ancillary areas. The facility has also been designed to achieve an EPC rating of A, brought about by the robust U Values of the building and the integration of solar panels on the scheme.

The building was designed, manufactured and installed by Actiform; we offer a true turnkey solution, where all aspects of quality are keenly managed throughout the project. Our team of sub-contractors on this project were specifically selected between incumbent Trust suppliers and Actiform's list of approved suppliers to ensure the projects needs were met and costed appropriately and to meet the budget and specifications set out at the project inception. Our specialist in-house team have managed the building control processes and planning applications, BIM processes were also used throughout the project.



Client:
Princess Alexandra
Hospital

Duration:
18 Months

Value:
£14M

CASE STUDY

Princess Alexandra Hospital

ACCELERATED WORKS

We were engaged with Princess Alexandra Hospital since the summer of 2020, with our first project starting on site in October 2020. Since then we have worked with the Trust to deliver a ground breaking 10 schemes.

Our approach to working together and our accelerated works processes, have meant that from the 1 project we were initially procured for, we were then selected to complete a further 9 more.

Many of the projects were born out of the Hospital facing unprecedented pressures in terms of patient numbers and how efficiently they could be reviewed. This was an issue pre covid, but during the pandemic this issue was exacerbated.

With the new modern hospital still in the design process, the build and readiness for patients is many years to come; the Trust needs to address several areas of existing Hospital to make it fit for purpose now.

“The Actiform project team worked ‘hand in hand’ with their design team to create a future focused build that rethinks the way a NHS trust delivers modular construction within a conventional aging and varied built environment, and that is integrated into the core operation of the hospital. The completed build environment was an integral part of the overall strategy for the new emergency care services.”

PASQUALINO RISI
ASSOCIATE DIRECTOR OF
ESTATES AND FACILITIES

This has covered:

- Updating wards to modern day medical grade standards.
- Improving layouts and creating efficiencies for different patient types.
- Providing additional space due to distancing measures.

CASE STUDY

Princess Alexandra Hospital 10 Schemes In 14 Months

Adult Assessment Unit



Duration:
12 WEEKS / 16 WEEKS

A two-storey extension, completed over 2 phases. Initially to support the pandemic, with non-covid patients, long term it will provide a dedicated space to see patients for rapid assessment and treatment for a variety of illnesses and injuries

CT Scanner Module



Duration:
12 WEEKS

The introduction of the CT Scanner facility improves the turnaround time and increases the flow of urgent care patients through the hospital. This specially designed module is lead lined and is linked directly with the Frailty Assessment Unit.

Winter Ward



Duration:
12 WEEKS

At Actiform we also provide traditional building services. At PAH we are providing strip out and fit out of wards, to bring them up to current medical grade standards. Penn Ward was the first ward we have refurbished.

Saunders Ward



Duration:
10 WEEKS

Following the refurbishment of Penn Ward and Winter Ward we are now conducting a refurbishment of Saunders Ward. This accelerated works package allows for minimum disruption and quick turnaround of much needed ward space at the Hospital.

CASE STUDY

Princess Alexandra Hospital 10 Schemes In 14 Months

Medical Records Store



Duration:
4 WEEKS

The Medical Records Store at the Hospital was relocated due to the reconfiguration of space within the hospital due to COVID. A new highly secure and fit for purpose module was introduced with a link to the main hospital building, to house the sensitive records.

Frailty Unit



Duration:
14 WEEKS

The Frailty Assessment Unit is an integral part of the Hospital providing care for frail patients generally those aged 75 years or above. Created based on the demand for winter patients, the short stay facility alleviates pressures from other areas of the Hospital.

Alex Lounge & Agile Workspace



Duration:
14 WEEKS

This project which is currently on site is delivering much needed additional space for the restaurant area. It will also provide a much-needed rest-bite area for staff who have delivered long shifts, including a multi-use room where they can relax including a yoga space.

Training & Education Centre



Duration:
20 WEEKS

Our most recent project; a fast track, non-modular scheme using SIP technology which is being constructed beneath an existing Ward. This training facility will replicate exact specifications of real Theatre and Ward spaces, including frontline technologies.

CASE STUDY

Princess Alexandra Hospital



Adult Assessment Unit

We were first appointed to deliver an Adult Assessment Unit, a two storey modular building which connected into the existing hospital.

Actiform handled all planning applications and Building Control throughout and the new building was delivered in accordance with HTM/HBN guidelines.

The ground floor consisted of the main entrance, consulting rooms, procedure and ultrasound rooms and a large open plan assessment ward.

The 1st floor included 6 x 4 bed wards and 4 x single bedrooms, all with en-suite facilities. Both floors required large nurse stations.

This project included plant rooms on each floor so sound attenuating measures were designed into the structure and the air handling systems.

WORKING ON LIVE SITES AND STAKEHOLDER ENGAGEMENT

One of the key challenges with all these projects was ensuring hospital staff, patients, members of the public and other individuals could maintain access to the nearby buildings at all times; and there was no disruption to the operations of the hospital.

We were able to do this through the development of clear access plans, logistics plans, and delivery programmes which considered other hospital users and their needs at the offset. All decisions taken by Actiform throughout the design and delivery of the project required approval from the Trust before implementation. Our comprehensive stakeholder engagement during the initial stages of the project was an essential process for us to identify specific access requirements, considerations and related challenges that we may not have thought of, and consequently included them in plans.

This project was ongoing throughout the COVID 19 pandemic when all hospitals were at maximum capacity and needed extra ward space quickly. Due to this we managed to have the 1st floor and the link ready to accept COVID patients, ahead of schedule, despite having our own COVID outbreak at headquarters resulting in a 2-week shut down of our factory. This is an example of where we have effectively utilised our Business Continuity Plan.

CASE STUDY

Princess Alexandra Hospital



Refurbishments

Although not modular, Actiform have also completed multiple refurbishment projects for both Public and Private sector Healthcare clients.

Our project manager worked directly with the Client team at Harlow to develop a detailed program of works, taking into consideration every stage of the project and daily activities on site. This involved working with the Trusts AP's to develop a safe method of isolation to enable the works to commence.

Our Mechanical and electrical teams then worked together with Actiform as a single team to deliver the project.

DESIGN

Meetings were set up between our in-house Design Team and the M&E Design teams in order to be clear on the expectations required from each party and confirm the understanding of the client requirements.

The Mechanical and Electrical designs were produced by our contractors and approved by Actiform prior to being submitted to the client for comment and sign off. Any requested derogations from HTM were clearly outlined and recorded. Once agreed, we overlaid the M&E designs onto our existing CAD drawing and checked for any clashes. Once approved by the Technical Design Manager, the design was submitted to the Client for approval.

THE WORKS

During the installation process our Site and Project manager quality checked the installations of both M&E contractors, ensuring that the standards we expect were being achieved. Photographic evidence of mechanical and electrical services including containment and fire stopping were collated throughout the project. Upon commissioning all documentation including "as built" were delivered along with the Bolster report for fire stopping.

CASE STUDY

Princess Alexandra Hospital

Alex Lounge Wellbeing and Office space

We were asked to design, manufacture, and install a 2-storey modular building. The requirement was for the ground floor to be an area centred around staff welfare consisting of dining facilities, a yoga room, and bright, relaxing breakout areas. The 1st floor was agile office space with meeting and training rooms.

As with most modular projects, the key to the success was down to the programme. The client had stated they wanted the facility completed and occupied within 5 months.

The programme was carefully planned with both Actiform Project team and the client project team.

As with all our projects, we commenced a series of meetings with all stakeholders which were held weekly from award through to completion to ensure all roles and responsibilities were defined and that we could effectively manage client expectations.



The location of the new building was in the centre of the site, surrounded by multiple operational departments which had to remain open and accessible. One of these departments was the Prenatal ward which cared for very premature babies. We were conscious of the impact of our work on this department in particular and as such we chose to involve the prenatal management staff in some of our meetings. We felt this was the right thing to do to gain understanding of what their busiest times were, times we should be avoiding for noisy or disruptive works and what we could do to minimise the impact on their department.

Due to the vulnerability of the babies, we could not move them and decant the ward. Our original lift plan was changed to accommodate this ward and resulted in us craning over the existing hospital. Prior to commencing the enabling works, we were made aware of a tree that sat in the middle of the site. It was clear, this tree would need removing for us to carry out the works. However it came to

our attention that it was originally planted in memory of a member of staff who sadly lost her life. We didn't want to dispose of the tree and agreed a suitable location on the site with the Trust, where we replanted it.

As the primary use of the new building was for the staff at the hospital to relax in, we wanted to make the space as comfortable and relaxing as possible. This included bespoke imagery on the walls on the ground floor.



“We are dedicated to supporting the health and wellbeing of our patients and enhancing patient flow through the Hospital.

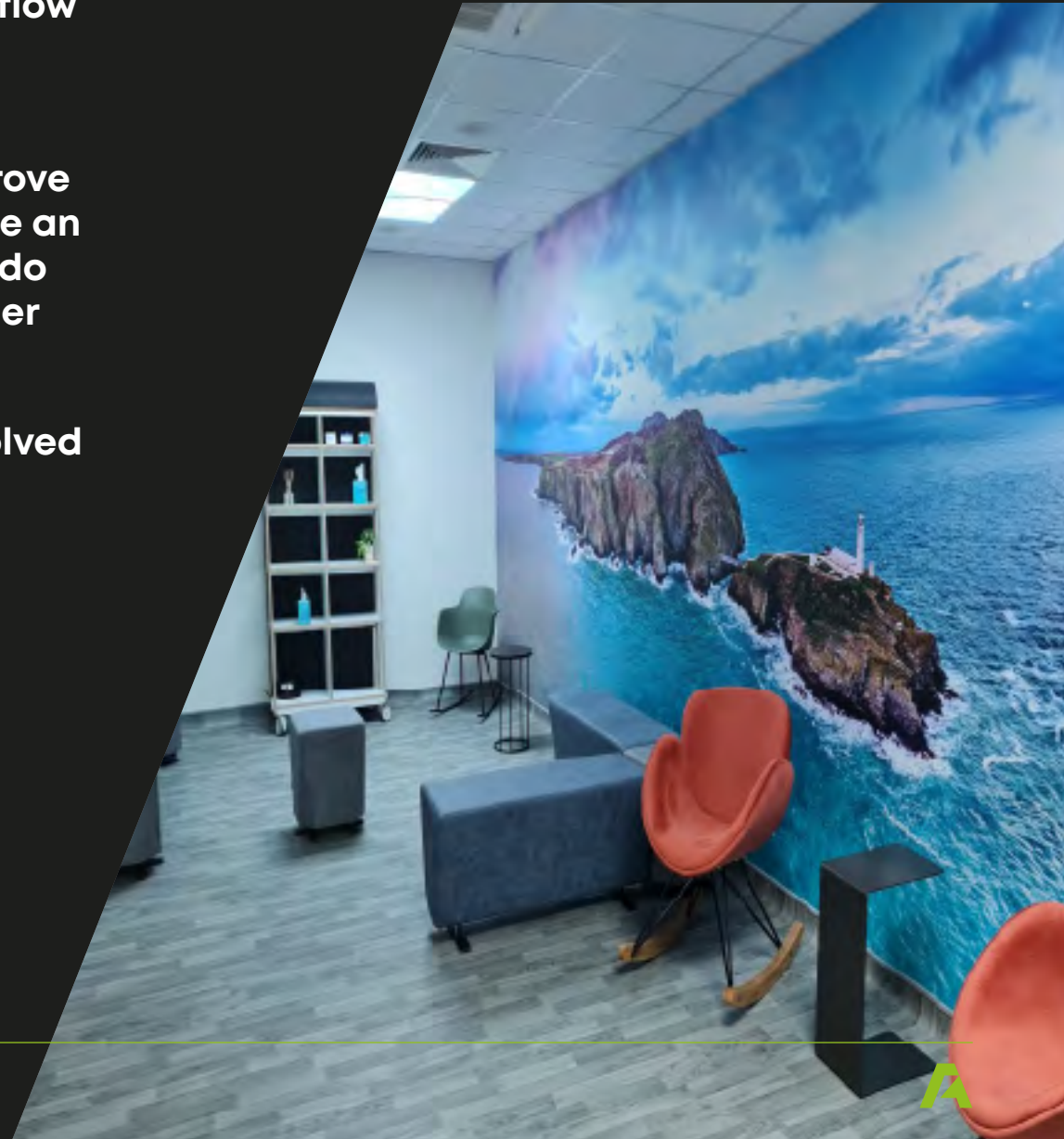
“Opening the Adult Assessment Unit is a fantastic milestone in our ongoing work to continually improve patient experience. Initially, the space will provide an additional facility for us to care for patients who do not have COVID-19, releasing capacity across other areas of the Hospital.

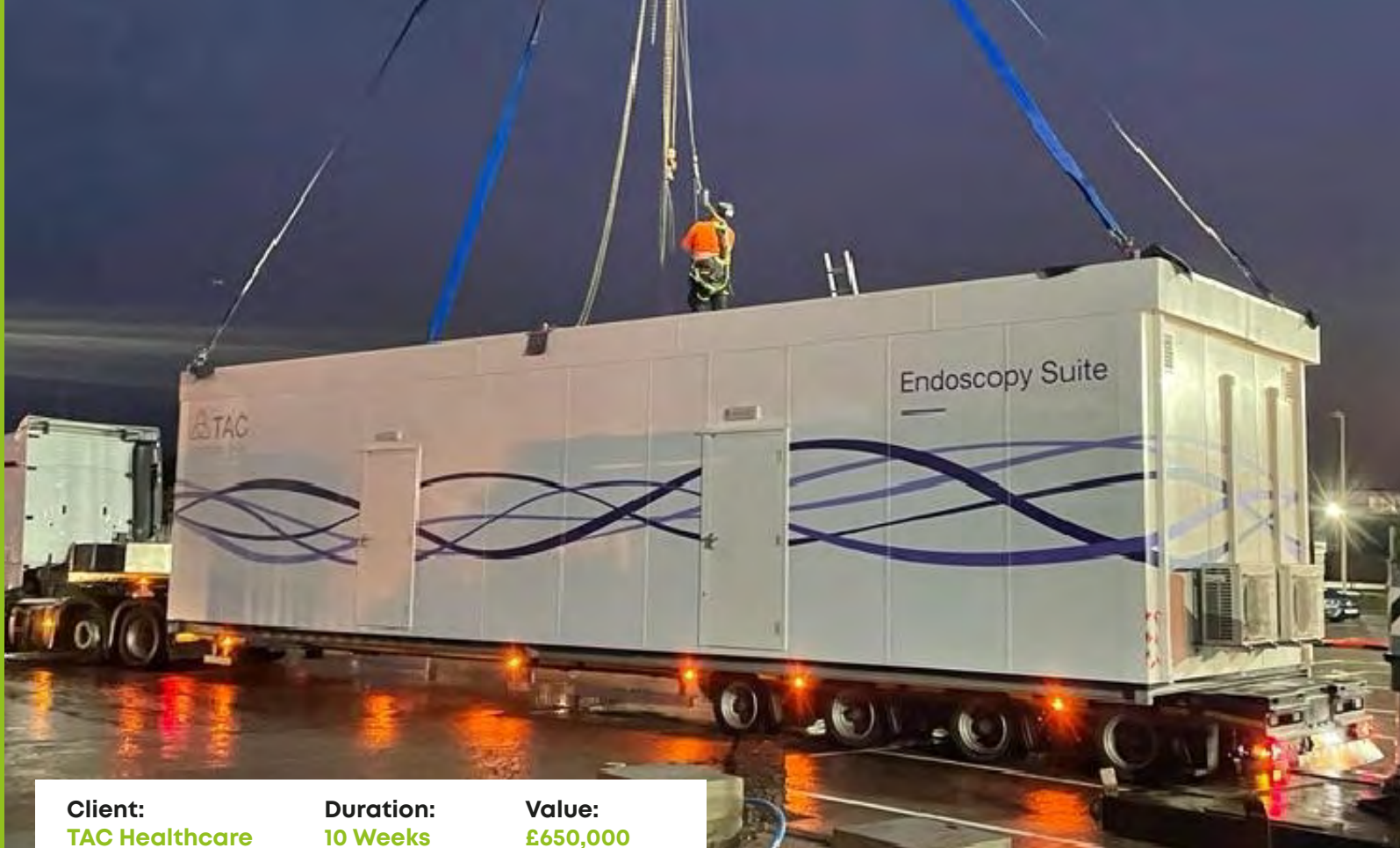
“Thank you to all of the Teams who have been involved in this extremely important project.”

STEPHANIE LAWTON
CHIEF OPERATING OFFICER



**The Princess Alexandra
Hospital**
NHS Trust





“Our transportable modular Endoscopy unit is the way forward for tackling waiting lists. It allows rapid implementation and gives us the ability to add further modules for services such as imaging.

“We all have to think about our carbon footprint. Traditional endoscopy units with the decontamination plant can be very energy intensive. With this unit being carbon neutral, it allows us to treat more patients in a very cost effective way and in a sustainable manner”

KENNETH PARK
CHIEF MEDICAL OFFICER

Client:
TAC Healthcare

Duration:
10 Weeks

Value:
£650,000

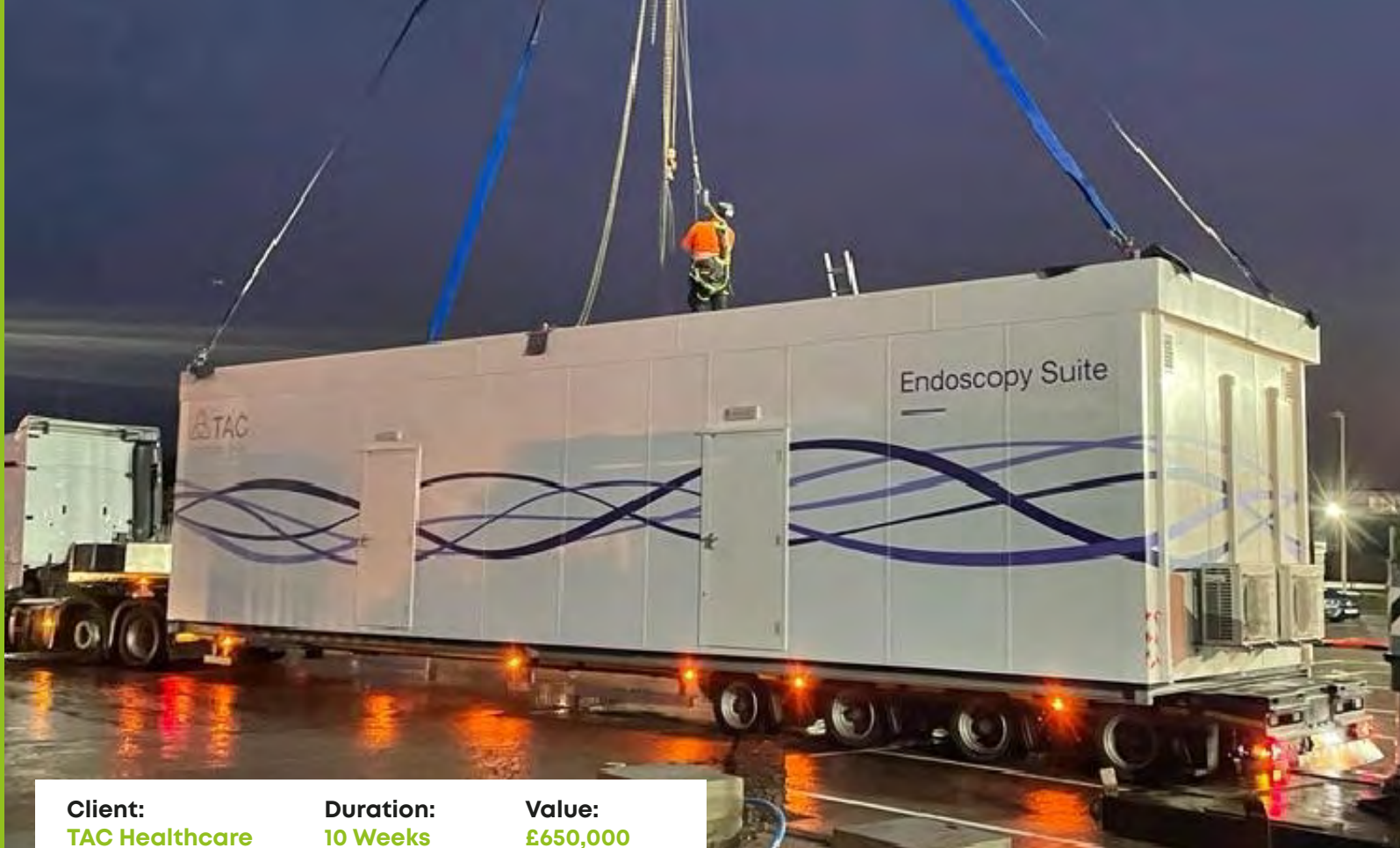
CASE STUDY

Transportable Endoscopy

We are proud to have been working with the pioneering Aberdeen-based TAC Healthcare Group on the design, manufacture and installation of their ground-breaking carbon neutral transportable Endoscopy Unit. This unit will add to the capacity for essential diagnostic tests at a time when the already stretched NHS services have been hit by an additional backlog of up to half a million cases due to service interruption from Covid-19.

The modular unit offers a wider choice to patients across the NHS Grampian area. The procedure is carried out in a less foreboding environment than the traditional hospital setting and can take place within the local community. The transportable Endoscopy unit will mean greater productivity which translates into better value healthcare. The launch of the carbon neutral hybrid modular unit will provide a cost-effective means of increasing capacity and reducing waiting times for patients.





Client:
TAC Healthcare

Duration:
10 Weeks

Value:
£650,000

“The whole team at Actiform provide an outstanding level of customer service. Their knowledge of modular building and taking our design thoughts and turning these working collaboratively into completed projects makes working with the team very enjoyable.

“Actiform have a very good network of dependable third-party trades which complement the experience and push the art of the possible in terms of innovation

“Not really sure what you could do better as when we raise issues they are dealt with in a timely manner, and you have good processes to ensure we never experience the same issue twice.”

STEVE WILCOCK
CHIEF OPERATING OFFICER

CASE STUDY

Transportable Endoscopy

Following the pandemic many Trusts have found it complex to separate red and green patients. To help address this problem we have created screening and imaging facilities in car parks so patients can access facilities with a lowered risk of infection of covid.

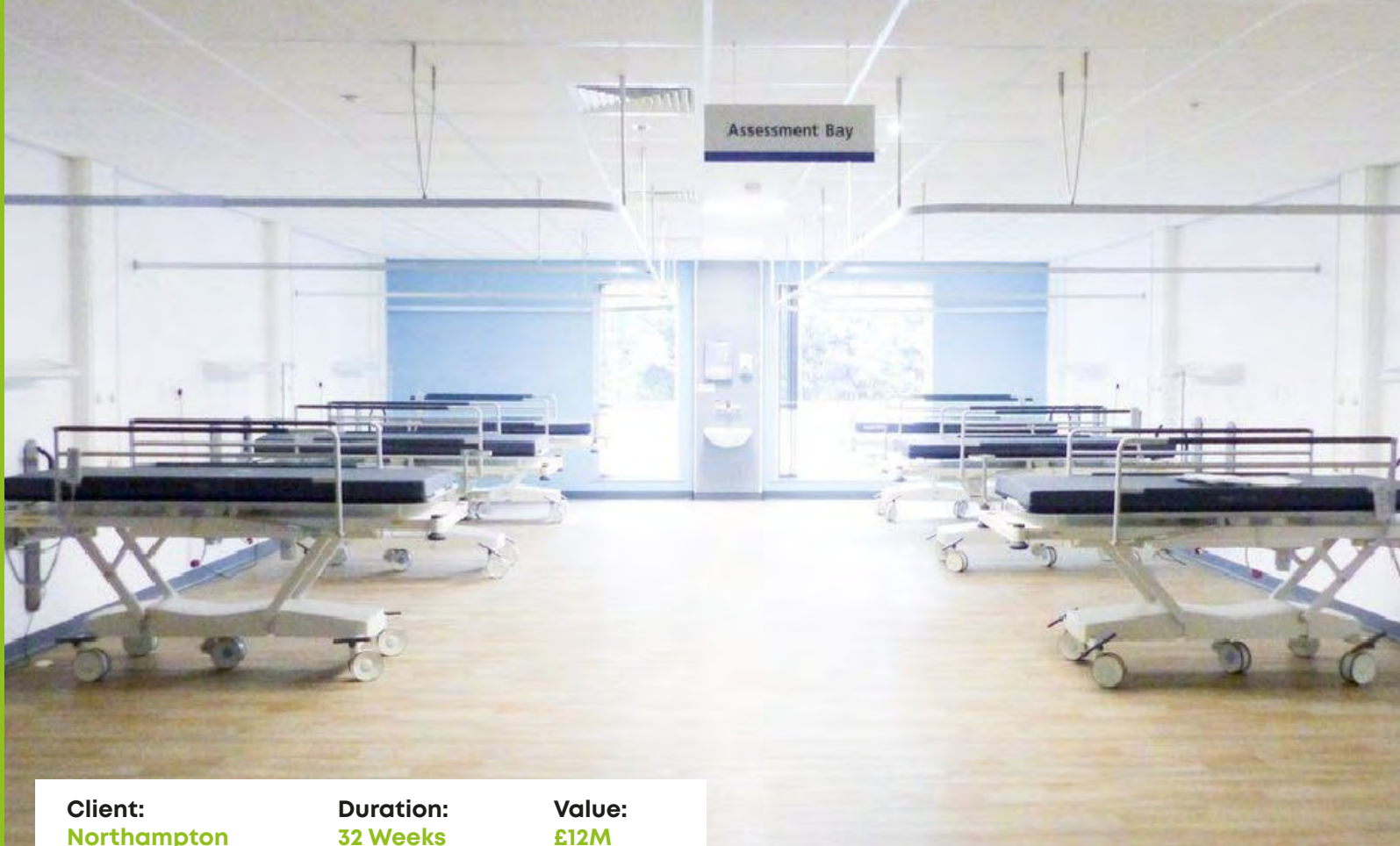
These units are destined not to sit within Hospital grounds, but either remote locations when communities have no easy access to facilities or in spaces such as super market car parks. They will deliver life saving screenings to patients and we are proud to be helping achieve this accessible Healthcare.

FURTHER EXPERIENCE:

Transportable Imaging Facilities

Our work at Glenfield, actioned these issues and a transportable Mammography Unit was set up. We have subsequently worked with FUJI Film on a Transportable Mammography Unit.





Client:
Northampton
General NHS Trust

Duration:
32 Weeks

Value:
£12M

CASE STUDY

NYE Bevan Unit

We designed, manufactured and installed a 60-Bed Ward requiring 78 units, as part of a £12 million upgrade. This turn-key project was born out of the need to assess patients quickly in a different facility rather than a busy A&E, without needing to admit them as in-patients.

The accommodation provided includes a mix of small Wards and individual rooms including dedicated rooms for vulnerable patients who might need end-of-life care or who are suffering from infection. The design also included a link bridge to the existing Hospital building.

Early communication and mutual understanding of the project is crucial when working with other large contractors such as Interserve as they are working directly with the end Client on our behalf. To enable effective working at this busy hospital new technology has been installed for the medics to give them a quicker way of working.

This includes a drugs cabinet with a finger-print scanner so they can retrieve patients' drugs in under 30 seconds. Our involvement in this contract was extensive and collaborative, from RIBA Stage 3 through to contract completion. Despite its challenges this project was completed very quickly and within the given schedule.



Client:
University Hospitals
of Leicester

Duration:
16 Weeks

Value:
£2M

CASE STUDY

MRI Facility

We were appointed by the Trust as Principal Contractor to design and build an extension to their existing MRI department. The scope consisted of basement level accommodation with an enclosed roof plant area and all associated groundworks and drainage.

Actiform worked directly for the Trust and their incumbent suppliers, carrying out all all-enabling works for Siemens to install their specialist MRI equipment.

Design meetings with all stakeholders were held by Actiform fortnightly, and a detailed programme agreed which highlighted key stages.

During Design development meetings, we identified an opportunity to add value by reducing the programme and maintaining access which also saved the client around 6% from the cost of the groundworks.

Our extensive Healthcare experience has taught us how important it is to keep access

“We’re so proud to bring this new facility into the hospital. These scanners will be part of our hospital in daily use, which will increase the availability of scans and speed up the process for our patients.”

REBECCA BROWN
ACTING CHIEF EXECUTIVE
LEICESTER’S HOSPITALS

routes open on operational sites and so we used a piled system with reinforced piles cast in situ to create a retaining structure, meaning we could keep the road partially open to minimise disruption for staff, visitors and patients.

This early engagement and integrated working led to a very successful delivery of the MRI building and led to a great working relationship with all stakeholders and secured further projects.

Decontamination Module

We have been working collaboratively with decontamination specialists that lead in endoscopy to bring to market an offsite solution for decontamination.

Actiform have created a decontamination module that offers a range of solutions that not only meets current clinical requirements but future proofs many aspects of the product.

Designed to meet an EPC rating of A+ (Carbon Negative), the offsite solution is focussed on seamless integrated technologies with a robust and aesthetically focussed concept, where design is not compromised.

It can bring a fast solution with minimal disruption to often complex operational healthcare estates. The module can either

be temporary, permanent or rental, and can be standalone, or integrated into existing buildings.

Providing a one stop shop of the decontamination of endoscopes, the module creates a simple solution for easing the decontamination process, which reduces car journeys transporting endoscopes often by private contractors. The aesthetics promote a happy and positive working environment, with plenty of natural daylight and modern interior, ensuring a positive workplace, which promotes staff retention.

The design has many aspects where it has positive impacts on the green agenda:

- Efficient design leading to reduced material wastage.
- Mechanically
- Reduced car journeys transporting endoscopes.
- All fully deconstructable.
- Material selection is based on materials that have been recycled, can be recycled and can be reused.

Integrated Services From Our Partners

- Video conferencing rooms, ideal for Healthcare training environments
- Fully managed and staffed Healthcare buildings.



New Technologies

At Actiform we embrace new technologies in all aspects of our buildings and projects:

- **A+ Mechanical Design, Installation and Commissioning upon request.**
 - **CHP and GHP for sites where Electrical capacity is an issue.**
 - **New official partner with Siemens for intelligent building systems – Desigo.**
 - **Incorporate solar power in many instances.**
 - **Work alongside Siemens, Fuji Film and Philips on the latest in Healthcare technology.**
 - **Constantly working with the latest insulation and cladding materials to meet our Client requirements.**
 - **BIM compliance throughout design team; 3D modelling technologies used where appropriate.**
 - **SMART Buildings – Actiform take advantage of all available I/O to harness the full diagnostic capabilities of installed M&E, to be relayed directly to the BMS or to our**
- offsite preventative maintenance team. Our technologies can also be design to integrate with existing hospital legacy systems.
- **AI – Actiform have a range of AI solutions from staff/patient tracking and equipment geo fencing, to distressed persons recognition and threat detection.**





Little More About Us

Family:

Here at Actiform we are one big family. It's an ethos and feeling that runs through our business. Actiform was founded by our current managing director Stefan, and many of our team have been with the business in excess of 20 years, some even longer. In more recent years Stefan's stepdaughter has also joined the business.

Delivery:

Delivery of projects for the NHS is often a life or death situation. Many of the Trusts we work for need capacity; and need it now. We work with them to achieve what they need, when they need it; creating long term, deep rooted relationships to give the Trust confidence that we can deliver what they need that will enhance the care of their patients. Most of our NHS clients utilise the SBS and OCS (CCS) frameworks to procure.

Communication:

Communication with our Clients is as standard on projects through our robust procedures, but communicating to our team internally is just as key. We believe in keeping our teams in the loop of developments and showcasing what the end product looks like on site for those who are based at the manufacturing and office facilities.

Greener, Cleaner, Better

MMC reduces carbon usage throughout the life cycle of the build. This includes the use of material choice and waste, and reduced deliveries to site. We also have a predominantly UK based supply chain.

With the government drive to increase efficiency of new buildings on estates, we often design and deliver buildings which achieve a BREEAM rating of Excellent and we do this through collaboration with our preferred consultants Encon.



"I can honestly say in the 15 years I have been acting as an assessor you are the most proactive main contractor I have worked with. As an assessment organisation we have assessed hundreds of projects, and this has to be the smoothest project we have worked on. We look forward to working with you on future projects and continuing this successful working relationship."

GLENN MILES
DIRECTOR AT ENCON

What Can We Do Together?



 actiform.co.uk

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