



Mechanical & Electrical Consultant Engineers

0191 3853111

ABOUT US

who we are

JH Partners are mechanical and electrical design consultants, offering low carbon state of the art design solutions that exceed our client's expectations. The design partnership was formed in 2004 by two like minded forward-thinking engineers, with a vision of providing clients with a personal service that is second to none.

We have a team of highly qualified professionals, enabling us to offer a comprehensive, informative and accurate service to all clients at all levels.

We operate a very flat management structure where general business management is dealt with by our Office Manager, allowing Partners to be involved in the day to day running of each project.

our aim

It is the aim of JH Partners to ensure all of their staff work with clients to ensure that they understand their needs and expectations, ensuring promises made, are firstly achievable and secondly kept.

JH Partners offer quality low carbon design solutions within cost parameters and defined programmes. Our philosophy is based on prevention of error and the commitment of our staff to ensure that projects delivered exceed the expectation of our clients. Treating clients, colleagues and all those connected with our work with courtesy and respect, fully understanding that quality of service is paramount.

SECTORS

LOW & NET ZERO CARBON

Many of our clients have a drive to meet or better the UK Governments 2050 NetZero carbon target. We have the experience and technical knowledge to help achieve this.

COMMERCIAL, RETAIL & LEISURE

This is a large sector for us, we are UK consultants for several international hoteliers and have designed many retail and leisure buildings.

RESIDENTIAL

The majority of our work in this sector is large multi residential schemes. We have also designed some stunning award-winning one-off houses.

SPECIALIST DESIGN

Within this sector we include specialist environmentally controlled spaces such as classified cleanrooms, printing facilities and other specialist production and research facilities. We've developed some world leading facilities in this sector.

HEALTH & CARE

We have the specialist knowledge that this sector requires. We work with both NHS clients and private health providers.

EDUCATION

Education is a undoubtably lifelong process. We support clients from early years through to higher education institutions. Many of our clients are Russell group Universities.

HERITAGE

It is essential that sympathetic design solutions are utilised to ensure heritage buildings are not compromised. We have worked on some of the finest, and most sensitive, historic buildings and therefore have the skills and experience to help clients at all levels.

INDUSTRIAL

We have extensive knowledge in many areas of the industrial sector and have supported a diverse range of clients. This is a sector that can really benefit from our knowledge of renewable and low carbon technologies in order to reduce energy running costs and reach NetZero objectives.

MEET THE PARTNERS



CRAIG JORDAN
Partner



PAUL HADDON
Partner

a word from the Partners

Since our inception we have completed a diverse range of projects for some very special clients. We understand that people work with people not organisations and have developed long standing relationships with clients that have grown over years of working together. We have organically grown the practice through repeat business and client recommendations. Our clients appreciate that we strive to exceed their expectations on each and every project.



FUNDING

we are cost conscious

Funding can be the biggest single project challenge. We pride ourselves in being cost conscious and developing design within given cost parameters. Value for money has many facets, we demonstrate value via life cycle costing models to ensure clients are fully informed and make decisions not just on initial capital cost but on full life costings.

We are constantly reviewing potential funding streams for design innovation and have helped clients obtain millions of pounds of funding over the years, through well thought-out world-leading design solutions.

A SNAPSHOT OF OUR PROJECTS



STEPHENSON BUILDING

Project

New flagship engineering hub for Newcastle University. The project is designed to be constructed in 2 phases whilst the remainder of the building is still operational. The building consists of some very complex and heavily serviced spaces including; cleanrooms, offices, lecture rooms, workshops, laboratory spaces, research areas, computer clusters, breakout spaces and GPS Train (on the roof). The building will be a world leading engineering hub and is therefore being designed to express engineering excellence complete with exposed services and structure

Contract

Two stage D & B (BIM Level 2)

Project Value

Circa £60million



MERZ COURT ENERGY CENTRE & DISTRICT HEATING

Project

District energy centre containing Bio Fuel CHP and dual fuel boilers. The energy centre provide low carbon heating and power to a large portion of the city centre campus. This scheme reduces carbon emission by over 80% for this area of the network. The project received HNIP funding for its innovative design and carbon reduction.

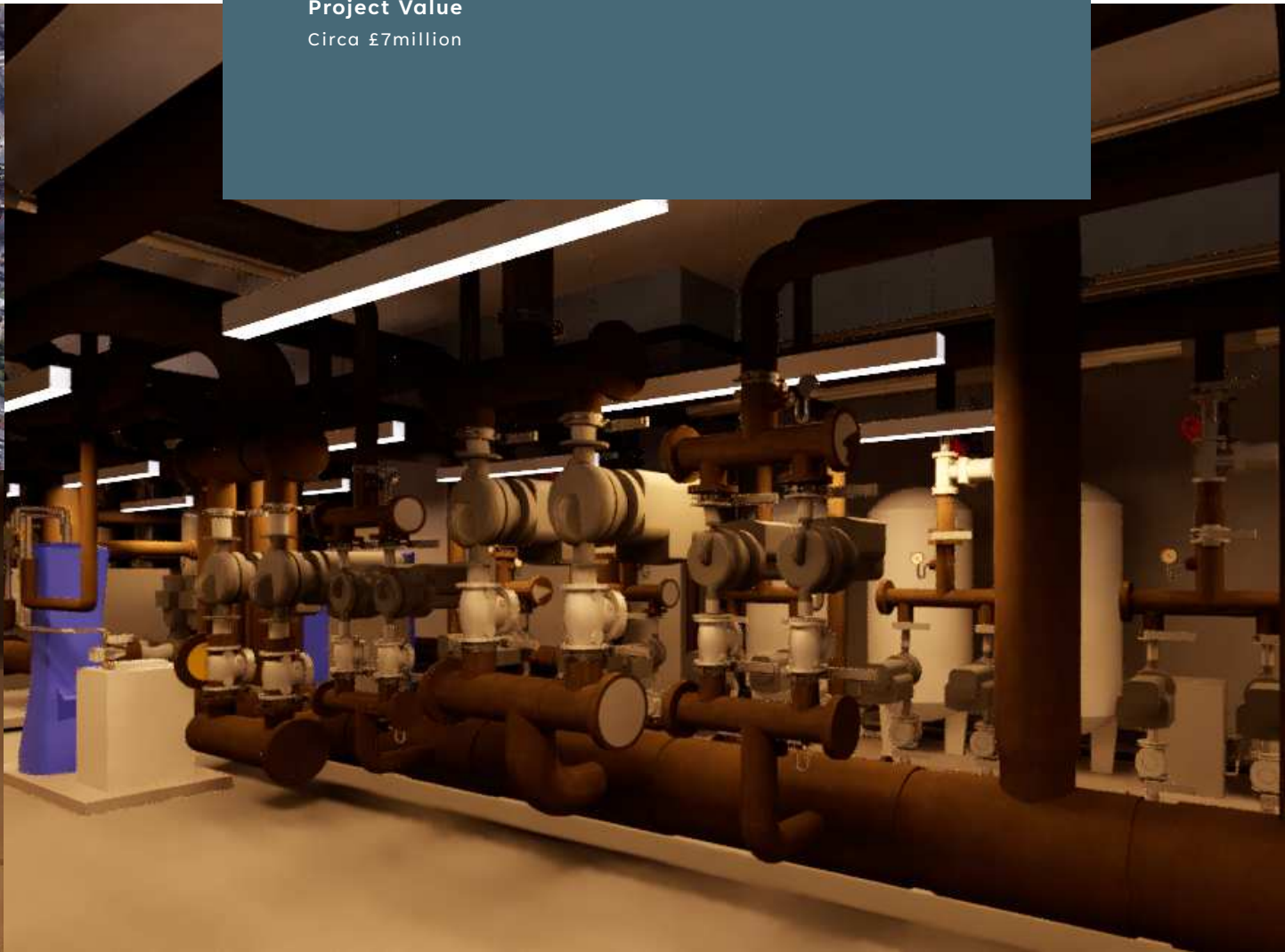
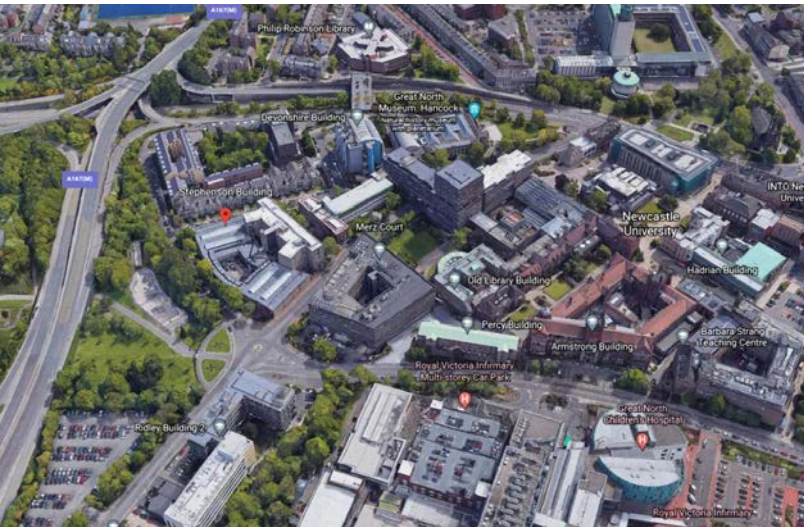
We now exploring how this network can be extended to further reduce carbon emissions through the whole city centre campus.

Contract

Traditional

Project Value

Circa £7million



NEWCASTLE UNIVERSITY & RVI DECARBONISATION PLAN

Project

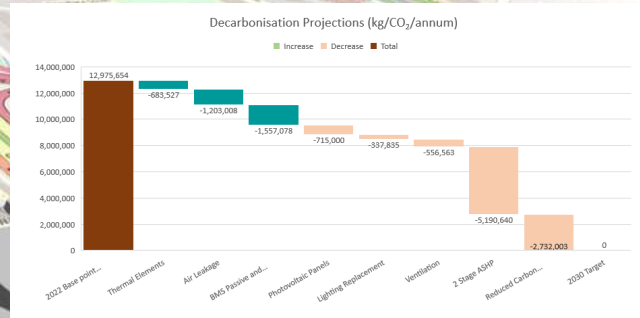
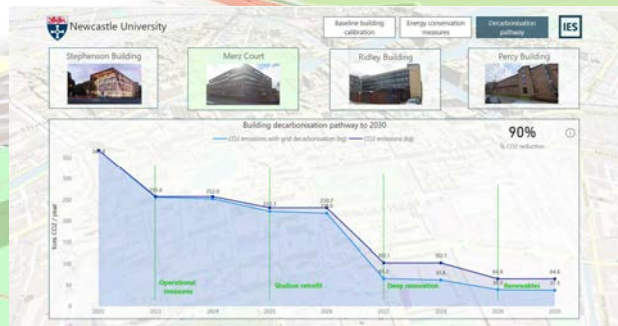
Appointed to conduct a decarbonisation plan for both the RVI Hospital and Newcastle University. Both clients received PSDS funding for this project and have a NetZero Carbon target of 2030. We surveyed the complete estate and produced a plan of how their target can be achieved. Following on from this, we are now producing a digital twin of the estate to accurately model the existing and predicated carbon emissions. This will allow the client to see year on year the works and costs required to achieve their target. The system also interfaces with the existing metering system enabling live monitoring of works once complete.

Contract

Appointed under NEUPC Framework

Project Value

Not relevant



METRICS VIEWER ✕

Metric:

Colour Scheme:

Data Range: Min. value - kg / (m² year)
Max. value - kg / (m² year)

Display: All With values

Sim total carbon - kg / (m² year)



METRICS LEGEND ✕

Sim total carbon - kg / (m² year)

SUNDERLAND UNIVERSITY

Project

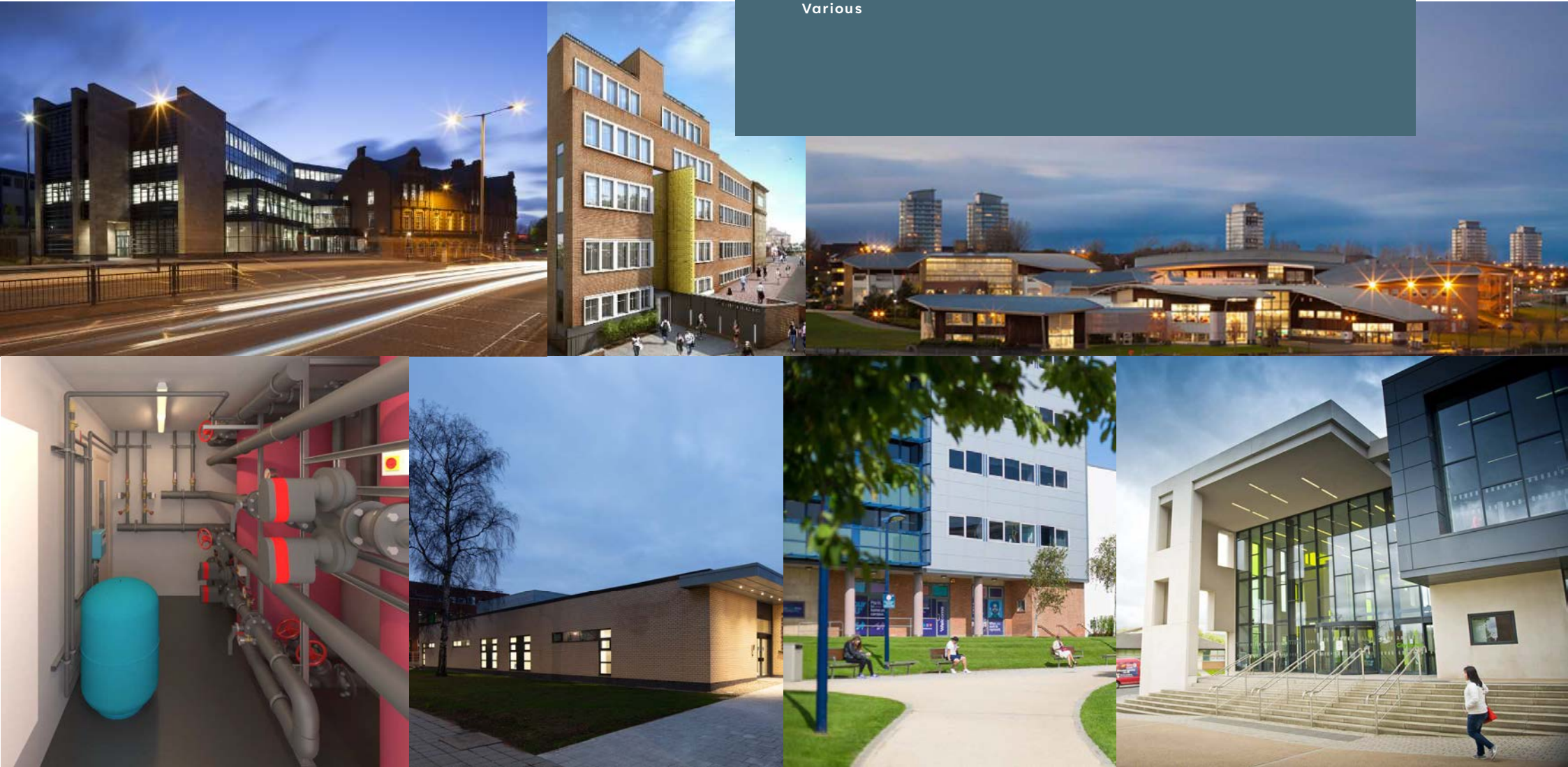
We have worked with the University of Sunderland for the last 18 years, over this time, we have been repeatedly appointed on their framework. We have conducted various fantastic projects whilst the campus remains live. The projects have included both new build and refurbishments to support and enhance the student experience.

Contract

Appointed via the University Framework

Project Value

Various



DURHAM UNIVERSITY

Project

We have worked with Durham University on various projects through our NEUPC framework appointment. We have conducted various fantastic projects whilst the campus remains live. The projects have included both new build and refurbishments to support and enhance the student experience whilst supporting the university's mission to reduce carbon emissions to zero by 2035

Contract

Appointed via the NEUPC Framework

Project Value

Various



MOTEL ONE - HOTELS

Project

We have worked with the Motel One for the last 12 years as their UK consultant. We take hotels from acquisition stage through to design, construction and also cyclic and reactive maintenance. Our role varies on a project by project basis with some schemes requiring us to conduct a complete detailed design service and other requirements a checking and certifying role. Our M & E Clerk of the Works are also appointed as technical inspectors during the construction period to ensure quality of installation is maintained.

Contract

Appointed via a framework agreement

Project Value

Various (generally between £15million and £60million)



VASTINT- MOXY HOTELS

Project

Chosen to provide Mechanical and Electrical Clerk of Works Services to the newly built Moxy Hotels in throughout the United Kingdom. Our Clerk of Works team attend monthly progress meetings for the Contractor as and when required to do so, alongside producing a monthly CoW progress report.

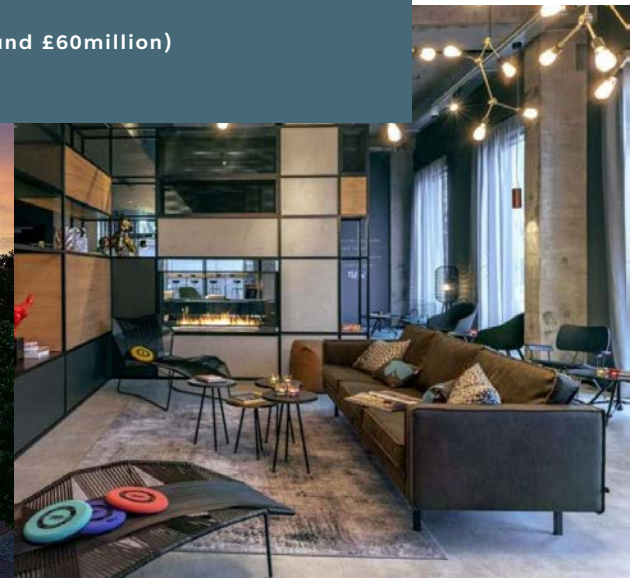
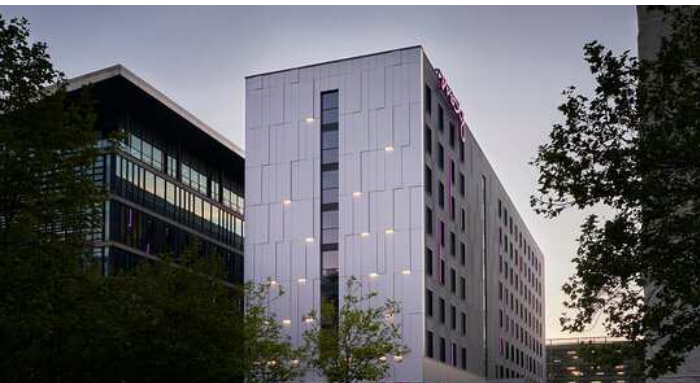
Our CoW team also monitor the M&E testing and commissioning, assisted in snagging and gave feedback on O&M's.

Contract

Appointed via a framework agreement

Project Value

Various (generally between £15million and £60million)



LEACONFIELD CMIQ

Project

The CMIQ is an area of Cleator Moor that includes the Leconfield Industrial Estate, which the council bought in January 2021 to develop the area as a hub for business and innovation, bringing jobs and prosperity to our area.

It will be home to a 'business cluster' for the new nuclear and clean energy sectors - a focus for collaboration, innovation, and diversification.

The project is part of the Industrial Solutions Hub - an economic initiative aimed at getting clean energy businesses to locate here, and creating a diverse and sustainable economy that is less dependent on Sellafield Ltd.

The development will include buildings for light industrial businesses, research facilities, distribution, education and, potentially, a hotel and plans for 44,350sqm of new floorspace. There will also be landscaped public areas and cycle and footpaths to link to the town, supporting the Cleator Moor Town Investment Plan.

Contract

Various

Project Value

Various - Estimated overall project value to be circa £200million



Project

The first Leonardo Hotel in Manchester. This Landmark 275 Guest Room hotel is located in the heart of Manchester. The hotel was developed by Capital and Centric who are developers with purpose that are based in the Manchester area.

The 110,000 sq ft hotel spans 14 floors with a Jenga-inspired profile designed by Manchester based Stephenson Studio.

Contract

Two Stage D & B

Project Value

Circa £22million

ADAIR STREET



GOODS YARD

Project

This development is creating new homes, jobs and unlocking around £60m investment into the site, which is owned by Stoke-on-Trent City Council and has been earmarked for a new lease of life for the last few years.

To make sure it's a thriving community, the site will be designed with great links to the surrounding areas, making the most of being next to the station. With bars, cafes and events spaces, the Goods Yard will be an exciting new destination for the city's residents, businesses and visitors.

The development will support the new Stoke-on-Trent district heating network as all buildings will be connected to such. This shall include Offices, Bars, Restaurants, Residential and a future Hotel.

Contract

Two Stage D & B

Project Value

Circa £60million



HARRODS

Project

The worlds leading luxury department store, located in Knightsbridge London. The project was to replace the Mechanical and Electrical systems in phases whilst the store remained open and unaffected.

This was an extremely challenging project due to the limited plant space available, the city centre location and the particular requirements of the client.

The success of this project was due to design innovation and excellent working relationships with both the client and the contractor.

Contract

Traditional

Project Value

Confidential



HYLTON CASTLE

Project

The complete refurbishment of this iconic Sunderland landmark. The award winning refurbishment included the introduction of renewable energy technologies which were designed in a sympathetic manner to ensure the important heritage of the building remained unaffected.

The scheme received funding from both the local authority and the National Lottery.

Contract

Traditional

Project Value

Circa £4.5million



MIDDLESBOROUGH COLLEGE

Project

A multi-million-pound engineering facility that could transform Teesside's net zero aims.

This proposed state-of-the-art facility will act as a replacement and relocation of the current TTE site, home to the technical training provider and hundreds of learners and apprentices.

The existing TTE provision of workshop training areas, teaching classrooms and staff facilities shall be relocated to a purpose-built facility at the College's Middlehaven campus, on the development land adjacent to the STEM Centre.

Contract

Two Stage D & B

Project Value

Circa £12million



THE BANK OF ENGLAND, SOUTH AFRICAN BANK NOTE COMPANY & DE LA RUE

Project

We have a long standing relationship with De La Rue and have developed some very sophisticated printing environments within their very secure sites. These facilities have included; passport printing, currency printing and all of the other ancillary spaces that are required to support such.

From our reputation with De La Rue we were asked to support the South African Bank Note Company in developing their master plan for plant replacement and enhancement for their facility in Pretoria SA.

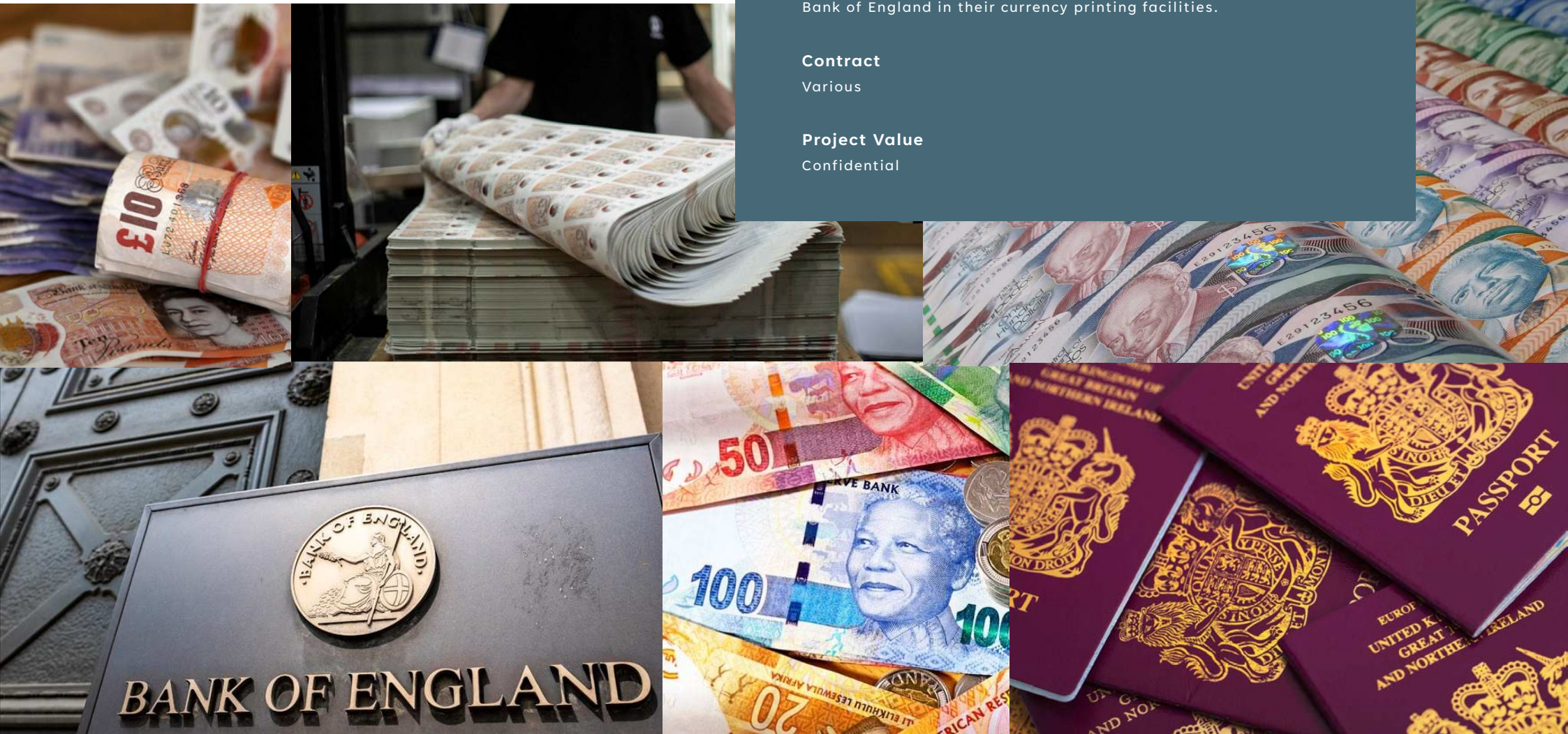
Following on from this we are currently developing schemes for the Bank of England in their currency printing facilities.

Contract

Various

Project Value

Confidential



BRITISH AIRWAYS FLIGHT TRAINING FACILITY

Project

State of the art multimillion pound flight training facility for British Airways at London's Heathrow Airport.

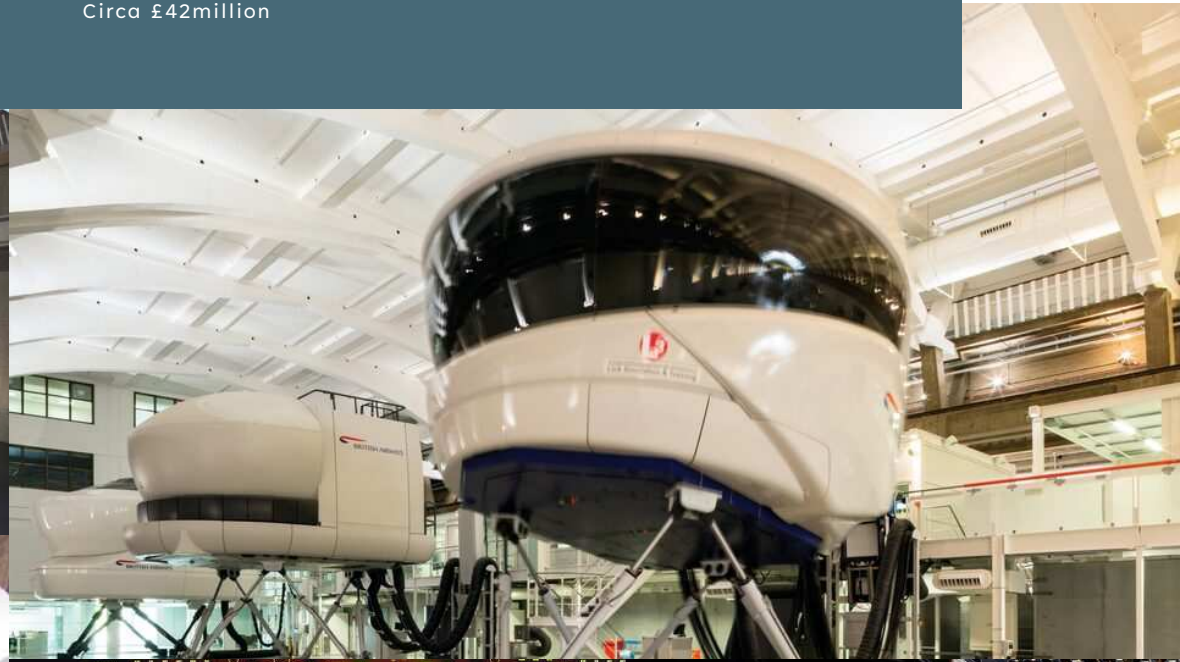
This facility houses sixteen of the most sophisticated flight training simulators available and is located within an environmentally controlled hanger. The hanger also accommodates, welfare facilities, training rooms and technical spaces.

Contract

Various

Project Value

Circa £42million



MORPETH TOWN HALL

Project

Complete refurbishment of a Grade II Listed building in the centre of this historic market town. As with all listed building refurbishments, the modernisation of the building services systems needed to be achieved with minimal impact on the building features.

The two phases of work not only cleaned, repaired and restored the exterior of the Town Hall but also opened up the interior through a sensitive and sympathetic transformation of space aimed at attracting more users to the building.

Contract

Traditional

Project Value

Circa £1.1million



KIRKLEATHAM WALLED GARDENS

Project

The Kirkleatham Estate in Redcar & Cleveland is one of Yorkshire's most significant heritage assets with twenty-four Grade I and Grade II listed buildings. Redcar and Cleveland Council formed a masterplan to regenerate the previously neglected Walled Garden that had not been used for 30 years.

The project included a catering academy, formal gardens, greenhouses, and allotments to maximise on-site training, land-based practical skills and produce. The project successfully secured funding from the Coastal Communities Fund, the Combined Authority, and the Heritage Lottery fund.

Contract

Traditional

Project Value

Circa £9.8million



Project

Beacon of Light is an exciting and inspiring education, training and sports facility Centre which will be built adjacent to Sunderland Aquatic Centre and the Stadium of Light.

The unique Centre is the first of its kind in the UK and includes engaging and interactive zones in education, health, fitness, and sport. Facilities will include sports halls, football pitches, flexible informal learning spaces, education suites and a 'players' lounge'.

Contract

Two Stage D&B

Project Value

Circa £19million

BEACON OF LIGHT - SUNDERLAND



ST LEONARDS HOUSE

Project

Mechanical & electrical services associated with this change of use from offices to 180 bed student accommodation in Lancaster. The plans are made up of 81 studios, four 4-bed, seven 5-bed and eight 6-bed cluster flats, a gym and communal facilities.

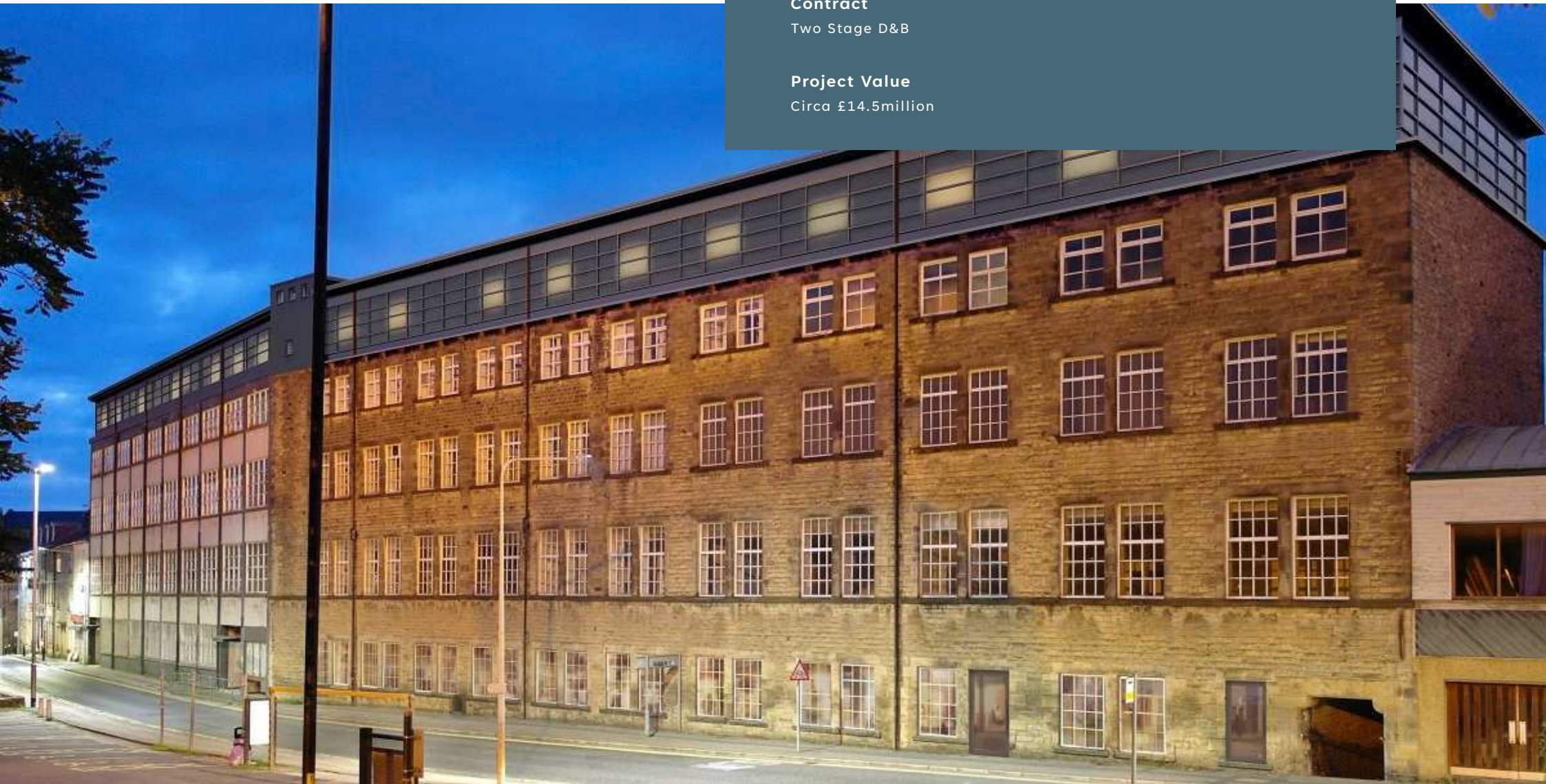
The works included internal demolition and alterations, installation of a replacement roof to create additional living accommodation and recladding of existing rear stairwells

Contract

Two Stage D&B

Project Value

Circa £14.5million



WAXWELL FARM DEVELOPMENT, PINNER

Project

Waxwell Farmhouse is home of the Royal Catholic Diocese of Westminster (RCDOW); Teaching and Residential Retreat Centre for children and young people (known as SPEC).

The existing Grade II Listed building (formerly known as The Grail and headquarters of The Grail Society) was acquired in 2011 by RCDOW and following extensive public consultation was granted planning permission to modernise and extend the complex.

Contract

Traditional

Project Value

Confidential



BLYTH ECLH

Project

Located at the north entrance to the South Port of Blyth, this new learning hub is the first phase of the new Energy Central Campus.

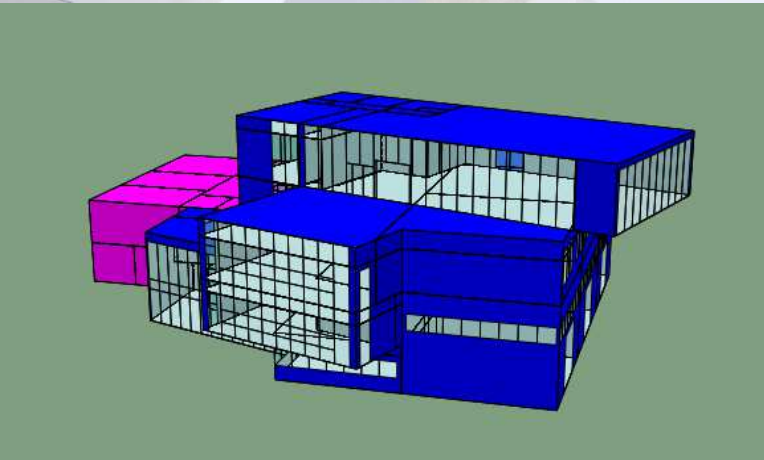
The new learning hub shall expand on and complement the current clean energy training facilities in the existing adjacent building, This meaning that the port can provide training for individuals alongside covering a wider variety of activities and teaching methods

Contract

Two Stage D&B

Project Value

Circa £7.5million



TEES ESK AND WEAR VALLEY NHS FOUNDATION TRUST

Project

We have a long standing relationship with Tees Esk and Wear Valleys NHS Foundation Trust and have developed some very exciting and sophisticated schemes to the clients specifications.

Throughout our years of working for the TEWV NHS Trust we have worked with the client on a variety of projects ranging from boiler and feeder pillar replacements to new build and refurbishment projects such as Bacchus House in York that now provides vital mental health services to patients.

Contract

Various

Project Value

Various



TWI TECHNOLOGY

Project

M&E Consultants appointed for the new Tees AMP Business Park in Middlesbrough. The project was based across a 34-acre site which was developed to hold a range of units from 3,000sq ft to 30,000 sq ft.

One of the main clients within the business park is The Welding Institute (TWI), since relocating to Tees AMP the company has been able to grow and is now home to the UK's first Offshore Wind Validation Centre.

Contract

Traditional

Project Value

Confidential





CONTACTS

Website – www.jhpartners.co.uk

Telephone – [0191 3853111](tel:01913853111)

Email – info@jhpartners.co.uk

Address – JH Partners
One Scotts
Bowes Offices
Lambton Estate
Durham
DH3 4AN

