

# ABOUT US

Founded in

**2007**

**70+**

team members



Innovation  
Excellence  
Collaboration  
Care  
Sustainability

**6**

office locations



**4,000+**

schemes delivered



Leeds  
London  
Manchester  
Birmingham  
Sheffield  
Hull



**£3.5b+**

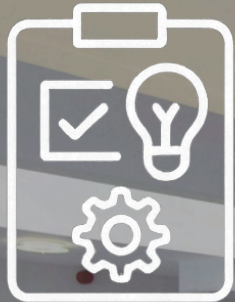
project value



**ENGINEERING  
ETHICS**  
BETTER TOGETHER



# OUR SERVICES



Feasibility studies  
and conceptual  
schemes



Flood Risk  
assessments and  
site investigations



Drainage and  
external works



Structural surveys  
and reports



BIM Consultancy  
and laser point  
Cloud surveying



Project management  
and lead consultancy



# OUR SECTORS



Industrial & Logistics



Education



Residential



Retirement &  
Extra Care



Healthcare



Mixed Use &  
Car Parking



Petrol Filling &  
EV Charging



Historic &  
Listed Buildings



Leisure &  
Hospitality



Offices



Ecclesiastical



RAAC Surveys  
& Remediation



# Goole Hub and Leisure Centre

LEISURE/MIXED USE



## SUMMARY

### Client

Willmott Dixon  
for East Riding of  
Yorkshire Council

### Location

Goole

### Project value

£17m

### Architect

Watson Batty  
Architects

### Contractor

Willmott Dixon

### Project brief

This transformative project will significantly enhance leisure facilities available to local residents and improve accessibility to increase users.

The scheme involves partial demolition to the existing 1980s building, with the Swimming Pool and Sports Hall being retained and refurbished. An extensive two-storey new build will provide improved facilities for East Riding residents, accommodating a Health Suite, Library and Customer Service Centre.

## SOLUTION

We have produced RIBA Stage 3 designs for the new steel frame building that will comprise a learner pool and spa areas, bowling alley, tag active zone, library, gym and office space. Due to poor sub strata, we have proposed for the ground floor to be suspended with piled foundations.

For the retained swimming pool area, we have designed steelwork for replacing an existing flume with two new flumes that will be supported from the roof steel.

Our engineers have designed the new steel frame building using Masterseries. Our 3D Revit model will be coordinated with the design team using Revizto. As part of the BIM requirements, we are providing COBie information and coordinating drawings and project information using Viewpoint.

We are currently developing RIBA Stage 4 designs with a view to providing detailed designs on all aspects including reinforced concrete detailing.





# Euler Academy, Hull

SEMH EDUCATION

## SUMMARY

### Client

Venn Academy Trust (DfE)

### Location

Hull

### Project value

£5m

### Architect

Watson Batty Architects

### Contractor

Tilbury Douglas

### Project brief

For this new school development, Euler Academy provides specialist teaching for children aged 5-11 with Social, Emotional and Mental Health (SEMH) as their primary need. School pupils are likely to have issues that present as significant barriers to their successful learning in a mainstream setting.

The two-storey building comprises eight classrooms, a main hall, dining area and multi-use rooms. Thoughtful landscaping and a MUGA to complement the school facilities, creating opportunities for safe play and outdoor learning with quiet and sensory areas.

## SOLUTION

Six existing, disused buildings situated on the site were demolished for the new scheme. An existing basement in the middle of the site created complications for the foundation strategy. This resulted in foundations of varying depth were necessary to mitigate the ground risk.

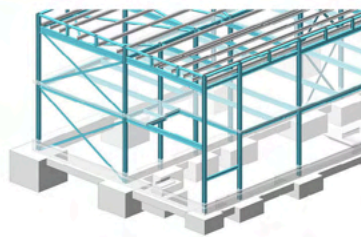
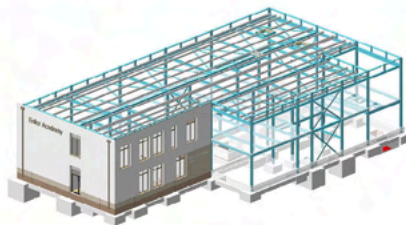
Our design included heave protection and a suspended ground floor slab for considering tree influences.

We demonstrated expert value engineering to develop a robust and thoughtful design.

The team worked proactively throughout the scheme to meet client deadlines.

We worked closely with the client to ensure the best possible solution for the safety of the children within the school site.

The drainage strategy included utilising connections from the existing buildings. Two attenuations tanks were integrated within the design along with a shallow swale.





# St Anne's School and Sixth Form College, Hull

SECONDARY  
EDUCATION



## SUMMARY

### Client

St Anne's School & Sixth Form College

### Location

Hull

### Project value

£19m

### Architect

Race Cottam Architects

### Contractor

Tilbury Douglas

## Project brief

This £19m new build scheme comprised the design and construction of a purpose-built SEN school, sixth form, accommodation block, and therapeutic centre in the grounds of the former Hessle Lower School. The broad range of facilities on one site enables a range of professionals to help whole families manage severe and complex pressures.

## SOLUTION

Extensive stakeholder consultation was undertaken to ensure the design team understood users' needs for this complex community development. Inclusive contribution was obtained from local ward members and key council officers in education, the strategic housing team, special needs, and NHS inclusion teams.

The large, single-storey school supports 115 students aged 2-19 with a wide spectrum of additional needs. Alongside teaching spaces are therapeutic facilities including a hydrotherapy pool, sensory rooms, and rebound therapy room. A three-storey apartment block offers year-round residential support for students, parents, and on-site staff, plus support spaces, dining, and lounge areas. Following a value engineering review of the early design proposals, we managed to minimise material

use whilst retaining the design philosophy - we re-designed the steel frame to simplify the construction and reduce the steel tonnage by 100 tonnes, saving a significant £200,000 on the original budget. We used a precast concrete floor with longer, uninterrupted spans and deepened the pad foundations as needed due to the influence of existing trees.

We worked closely with the architect and building services consultant to coordinate designs using BIM. Construction began at the start of the first Covid pandemic lockdown, which tightened-up the build programme and added unforeseen delivery pressures. Excellent collaboration amongst the design and delivery team ensured a successful result that met all requirements.





# Engineering University Technical College

EDUCATION



## SUMMARY

### Client

North Lincolnshire Council

### Location

Scunthorpe

### Project value

£9.5m

### Architect

Stem Architects

### Contractor

Clugston Construction

### Project brief

The Humber Renewables and Engineering UTC provides state of the art education facilities for 14-19 year old students in the centre of Scunthorpe.

The UTC was given specific investment in **specialist equipment and teaching spaces to support the focus on engineering and renewables**, and is visibly sustainable with wind cowls and solar panels.

## SOLUTION

### Collaboration

Design model exchanges with suppliers enabled Adept to continue to thrive in the area of quality multidisciplinary working. Bi-directional links between master series and Revit maximised efficiency and minimised errors during the build.

### Cost Saving

Adept's expertise regarding cantilevered steelworks design, despite minimal bracing opportunities and bridged foundations, helped to avoid necessary services minimising client costs and disruption.

Adept's commitment to responsive delivery was demonstrated through the design of temporary works assistance as required.

Client choice was provided throughout the build through provision of multiple design options inclusive of secondary supports, chimney masonry, deck designs and depths for both the composite suspended floor and the roofing.

The expertise of senior engineers facilitated the innovation needed to provide complex engineering design whilst utilising state of the art technology to ensure the highest quality of client services.

Adept's enthusiasm to play an integral role within the creation of educational spaces was solidified during this significant project.





# Beverley Arms, Beverley

HISTORICAL/  
HOTEL



## SUMMARY

### Client

Daniel Thwaites

### Location

Beverley

### Project value

£6m

### Architect

Bowman Riley

### Contractor

Phillip Lally

### Project brief

Redevelopment of the **Grade II Listed** Georgian Beverley Arms located in a conservation area opposite the impressive 12th-century St Mary's church in the town centre of Beverley.

The development created a high quality pub, restaurant and 38-bedroom hotel. The new external courtyards and terraces provide attractive external spaces for outdoor dining.

## SOLUTION

### Conservation

The plans involved the sympathetic renovation of the building retaining important features including the famous 'Old Inn Kitchen' painted by Fredrick William Elwell in 1922 and to make the most of the setting adjacent to the church. Whilst inserting new structural elements into a Grade II listed building within a conservation areas is never easy, Adept pride themselves on listening. Building a healthy relationship with the local conservation officer was key to our success.

The adjacent 1960s five storey tower block was both intrusive and stood in contrast to the historic surroundings. We demolished this building and replaced it with a historically sympathetic three-storey structure to compliment the original building.

The new design has transformed the Grade II Listed Beverley Arms and improved the overall flow, function and layout of the building.

Adept's work included designing the structural elements of the new building as well those needed to create welcoming reception spaces in the existing building. This incorporated dealing with original joists and beams, through to removing structural walls and installing new supporting steelwork.

### Constrained site

Constrained access routes meant limited large deliveries of materials. We therefore proposed structural solutions that could be delivered to site on smaller delivery vehicles and manoeuvred around site with small scale plant.





# FIND OUT MORE ABOUT OUR SERVICES

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🌐 [www.adeptcsce.com](http://www.adeptcsce.com)

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