

SPECIAL EDUCATIONAL NEEDS SCHOOLS PORTFOLIO



.20/21

NOVIUN ARCHITECTS

Our specialisms across the range of building types and sectors, and our experience and lessons learned from the construction stages and buildings in use, all inform our design process.



Unlike many architectural practices who focus their approach through a project architect, we bring a series of specialist designers, technologists and operation teams.

Rather than the traditional linear approach to design and procurement, we look to collaboration, where clients, contractors and consultants all play an integrated role.

The application of the latest technology and software is fundamental to the success of this collaborative way of working. Information is developed and harnessed through our BIM process and virtual reality from day one, and throughout the pre-contract and construction stages.

We believe this inter-active approach to design and construction is the way forward for our industry, as it strives for better quality delivered faster and within restricted budgets.

HOW WE WORK .01



Design is central to everything we do.

We bring together the experience of people and the power of technology within a collaborative process.

Many inputs drive design, but context and place-making are central to all the design decisions we make.

With climate change the major challenge facing society, sustainability is a key driver within all our designs. Optimising site orientation with energy conservation and thermal performance are fundamental design drivers, integrating an efficient building fabric with intelligent controls.

We take a 'best value' approach to all design decisions where cost effectiveness stems from good design. The Harris Academy Falconwood is an example of a compact building based on a 'mega block' concept which compresses the plan of the new school building into an elongated cube. The efficient plan means that circulation space is minimised, wayfinding and supervision are made easy, and the building can be economically constructed and maintained.

Feeling safe and secure is fundamental to the operation of all healthcare and education buildings. How the site and building is arranged is key to the creation of a secure environment for users and staff. Discreet secure lines are designed to allow the subtle separation and controlled access between full public, semi-public and private zones.

We believe educational design should not only provide inspiring teaching and learning environments but also places that nurture personal development, promote respect and ownership whilst improving attainment.

Socialising is an important part of a student's day. With portable devices now commonplace, the learning environment extends to more informal areas of a school or university campus. Designs therefore need to integrate spaces for social interaction and personal study, including internal circulation zones and dining spaces as well as external social and play areas.

Radical new teaching and learning environments are emerging, where personalised learning is replacing traditional class-based teaching. Our West Thornton Primary Academy for the London Borough of Croydon is an example where the Synaptic Trust promotes independent learning at primary school level. Year groups are mixed together within double classroom spaces which feature a series of 'learning sets' throughout the building.

*Our highly experienced team
has a breadth of knowledge
across multiple sectors of the
industry.*

**SCHOOLS, HIGHER EDUCATION,
FURTHER EDUCATION, HEALTH
AND LEISURE, RESIDENTIAL,
COMMERCIAL**

.02 MEET THE TEAM

MANAGEMENT TEAM



Andy Wiggins
Managing Director



Matt Golds
Managing Director



Peter Stephens
Design Director



Chris Watts
Operations Director



Alastair Mallett
Technical Director



Daniel Smith
Technical Director



Mangala Ratnayake
Architect Director

EXECUTIVE MANAGEMENT TEAM



Alan Johnson
Director



Ed Keelaghan
Chairman



Ian Hurlstone
Finance Director

ASSOCIATES



Lucinda Colegate
Associate



Simon Jolly
Associate



Giancarlo Pesiri
Associate



Dan Smith
Associate



David Robinson
Associate



Shena Mathers
Practice & Finance Associate



SEN .03 SCHOOLS







DAVENTRY HILL SCHOOL

Client: Education Excellence for All, BAM

Value: £10m

Services: Architect & Lead Designer, Principal Designer

Description:

This project is for a new build Special Needs School catering for 175 pupils, aged between four and eighteen with a range of profound and multiple difficulties, severe learning difficulties and autistic spectrum disorder.

The steeply sloping and constrained site posed a challenge for a school of this size and with such exacting requirements. From the main entrance visitors are able to access the reception and café area which serves as an interface between public and pupils.

The 2 storey design expands outwards and into the site as two wings either side of a double height central space which forms the secure heart and learning areas of the school. Access and security are key drivers and well defined secure lines and careful arrangement of facilities are essential in order to ensure the safety and well-being of pupils.

The building and grounds are separated into distinct operational zones and yet importantly, the school can still be perceived as a single entity.

ADDINGTON VALLEY ACADEMY

Client: Kier Construction

Value: £TBCm

Services: Architect & Lead Designer

Description:

Addington Valley Academy is located on Field Way in London Borough of Croydon (LBC). The proposed new school building is located on the site currently used by Timebridge Community Centre, which is currently being rebuilt adjacent to the proposed school site.

The site has residential properties to South East and is bordered by green fields, which are part of Metropolitan Green Belt to the North and West with the new, re-built Community Centre being proposed East of the site.

The proposal is to develop an all through, co-educational special education needs (SEN) School for 150 pupils aged between 2-19 predominantly with a wide range of learning difficulties some of which with Autistic Spectrum Disorder (ASD) or moderate learning difficulties.



THE AUSTEN ACADEMY

Client: Interserve, Hampshire County Council

Value: £TBCm

Services: Architect & Lead Designer, Landscape Design

Description:

The development of Chineham Primary School will form the Austen Academy, a 125 place all-through special needs school with associated car park, play areas and sports facilities.

The school, once fully operational, will cater for pupils aged between 4 and 16 years, with a planned start-up in Easter 2021.





GILLINGSTOOL AND NEW SIBLANDS

Client: South Gloucestershire County Council

Value: £12m

Services: Architect & Lead Designer





Description:

Gillingstool and New Siblands School houses two schools under one roof.

The school caters for special needs and a 210 place primary school also. Largely one storey, the school has some accommodation for staff use on first floor level in addition to general teaching, sensory and Hydrotherapy Pool spaces.

The school includes a large open hall that can be divided into performing arts and sports spaces as well as dining.





THE AVENUE SCHOOL

Client: Reading Borough Council, Willmott Dixon Construction

Value: £19m

Services: Architect & Lead Designer, CDM



Description:

The Avenue School project in Reading is an excellent example of a development which encompasses both a specialist SEN school and community/office facilities.

With the severe nature of disability to be catered for at the Avenue, it was essential to locate all the SEN accommodation at ground floor with the other community and office facilities located on the upper floors.

On completion the project won the BCSE 2009 'Most Inspiring School Design' due partly to its innovation of dealing with a sensitive mixed use development. Noviun's involvement extended to sourcing additional funding via masterplanning of a new residential development within the surplus areas of the site.







QUEST ACADEMY

Client: Education Funding Agency, South Gloucestershire County Council

Value: £6m

Services: Architect & Lead Designer

Description:

The project for Quest Academy will see a new SEN building that includes spaces for 80 SEN pupils comprising of 10 new classrooms from KS2 up to Sixth Form. The academy will also include playing fields and other sports facilities.

The academy will also cater for specialist subjects such as art, science, IT and design technology. A small sports hall and dining rooms form the shared spaces of the school.

There will be an open Cafe as part of the academy which will give space for interaction with the local community.

Quest Academy is another project in a long line of SEN experience and success within the practice.

MANOR GREEN SCHOOLS

Client: West Sussex County Council

Value: £9m

Services: Architect & Lead Consultant, Cost Managers, CDM

Description:

The Manor Green Special Needs Schools at Crawley were established as a partnership between the DfE, West Sussex CC and Noviun, as a pilot for the first truly inclusive educational campus in the UK, in conjunction with an existing mainstream primary school and a later built secondary school.

The Manor Green Schools comprise an arc shaped building with primary and secondary wings enclosing protected hard play areas.

The SEN population is approximately 180 pupils of varying levels of disability from 0-19 age range. Joining the primary and secondary wings together is a block providing the main administration, community use facilities, primary and secondary halls / dining, kitchen, hydrotherapy pool and plant area.

The corridor featured custom designed floor patterns identifying the changing Key Stages and the high levels of natural light enhance the open feeling of the school. The whole campus was designed as a sensory experience for pupils and visitors to the school and the building features sustainable construction throughout with a main glulaminate frame and high levels of natural light and ventilation.



FOREST WAY SCHOOL

Client: Leicestershire County Council, Willmott Dixon Construction

Value: £9m

Services: Architect & Lead Designer

Description:

A multi award winning SEN School in Leicestershire. The design of Forest Way sought to integrate the school with the topography, embracing the surroundings and drawing the woodland landscape into the project wherever possible. Nature, natural materials and, indeed, sustainability have all been principal considerations in the development of the scheme.

Following it's completion, the project was nominated for a number of high profile awards with its culmination being reaching the final top 10 in the World Architecture Awards.

Noviun delivered what was considered to be one of the most sustainable SEN school projects constructed within it's time, whilst providing an innovative approach to SEN design, including an internal forest right at the heart of the school.





VOTED
‘ARCHITECTURAL PRACTICE OF THE YEAR 2019’
BY
THE SOUTH COAST PROPERTY AWARDS

In all our work we design for people – from children and young adults through to the wellbeing and care of older people.

We are passionate too about developing the next generation of architects and technologists. Over the years we have sponsored many of our current staff in furthering their education and qualifications whilst working with us.

Helping those members of staff to become fully qualified architects and technologists, whilst developing their skills and experience in a real-world situation, benefits the individuals, our practice and the industry as a whole.

We have also continued to push boundaries with technology, as well as continually using virtual reality technologies on our projects we have also invested in 3D printing technology to give us the ability to help our clients visualise their future buildings even further.

Community involvement is also a big part of our agenda. We have recently been invited to local schools to help inspire the children to be more creative whilst also inviting University students to the practice for open evenings.

04 THE STUDIO



05 AWARDS

18/07/19 - Architectural Practice of the Year -

South Coast Property Awards

12/07/19 - Nominated for Architectural Practice of the Year -

Education Estates Awards

12/07/19 - Innovation In Teaching and Learning - West Thornton Primary Academy,

Education Estates Awards

12/07/19 - Inspiring Learning Spaces - West Thornton Primary Academy,

Education Estates Awards

12/07/19 - Project of the Year - Chichester Free School,

Education Estates Awards

03/07/19 - Public and Community Building, Highly Commended - Chichester Free School,

Sussex Heritage Awards

11/03/19 - Nominated for People Development -

Constructing Excellence SECBE Awards

29/06/18 - Project of the Year - Heathfield Academy -

Constructing Excellence SECBE Awards

23/05/18 - Nominated for Architectural Practice of the Year -

South Coast Property Awards

16/05/18 - Nominated for Civic Building of the Year - ELAM -

SPACES Awards

06/04/17 - Nominated for Best Educational Building - Northwood Secondary School -

LABC Awards

13/01/17 - High Commendation, Contribution to the Community - John Wallis Academy -

Ashford Borough Council Awards

20+ YEARS EXPERIENCE
SEN SPECIALISTS
PRACTICE OF THE YEAR
WINNERS

400+ COMPLETED PROJECTS
REVIT CERTIFIED STAFF
MULTI-SECTOR EXPERIENCE
REVOLUTIONARY
INNOVATIVE TECHNOLOGIES

NOVIUN ARCHITECTS

2020-2021 SEN Portfolio

Noviun Architects.

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