

Education Capability

BSP Consulting provides structural, civil, transportation, environmental and geotechnical engineering consultancy for new build and refurbishment projects across all education sectors, from nurseries and primary schools to secondary, SEND schools, colleges and universities. We work with both public and private clients, delivering high BREEAM-standard projects as well as high-tech, eco-friendly facilities. Established in 1999, BSP is a well-established practice with offices in Nottingham, Derby, Leicester and Sheffield, and a team of 60 staff.

Our clients require value for money alongside adaptable, flexible spaces that reflect modern teaching methods. This involves detailed stakeholder engagement with clients, design and cost consultants, and contractors. Projects are delivered directly for clients, via contractors, or through professional-led frameworks, where BSP's extensive experience ensures outputs are achieved collaboratively, supporting the client's vision.

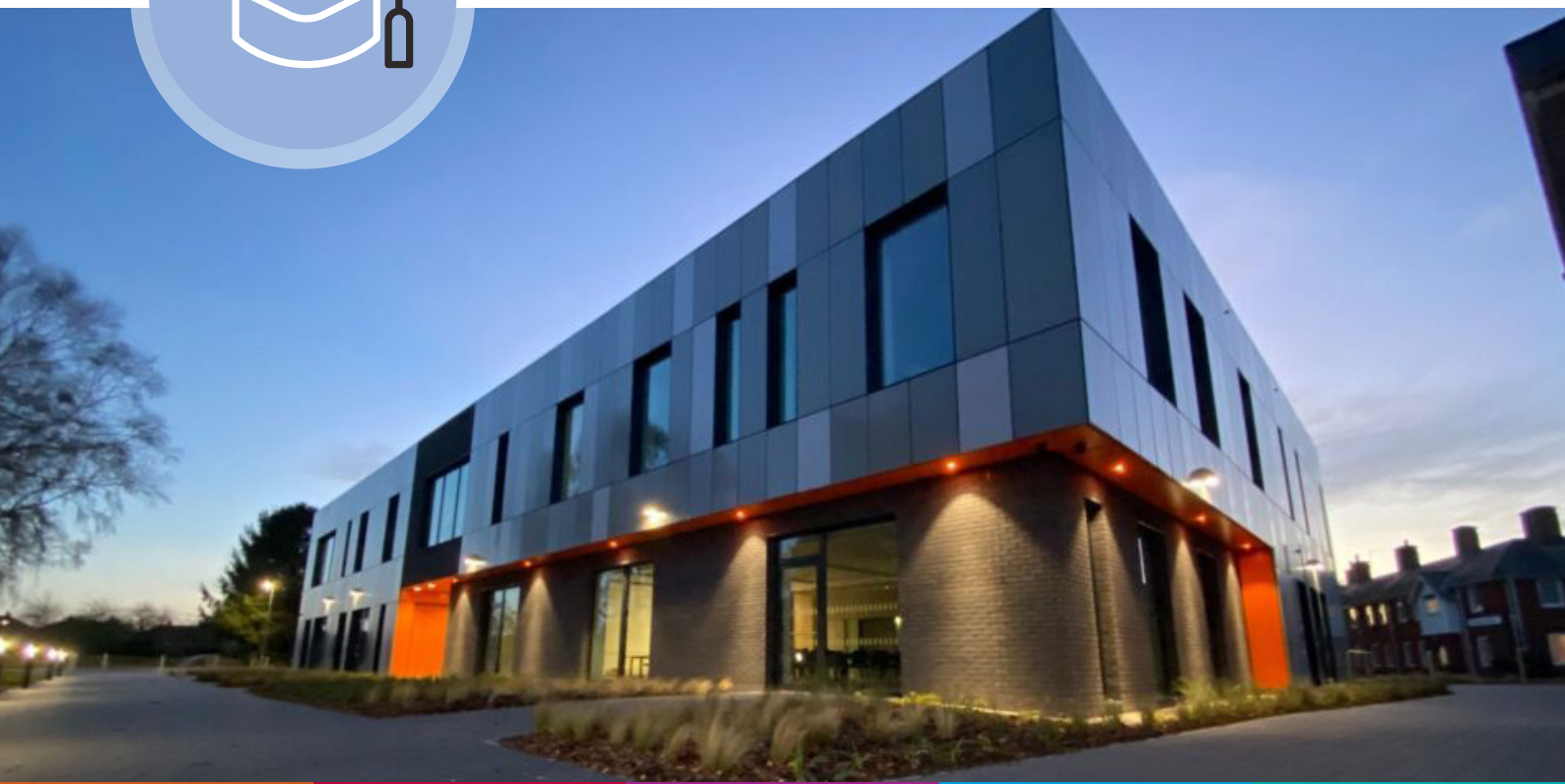
We are highly experienced in these procurement methods and understand how to deliver the expected outputs in a collaborative and supportive way. BSP achieved BIM Level 2 BSI Kitemark certification in July 2020.

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Sustainability will feature at the heart of the development to support our 2030 Now or Never sustainability strategy and reduce carbon emissions.

East Lindsey District Council

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Tulip Academy SEND School, Lincolnshire

BSP Consulting provided civil and structural engineering services for a £7.8m expansion at Tulip Academy, a SEND school in Spalding. The project delivered enhanced teaching facilities, a hygiene suite, calm and group rooms, a medical space, IT and life skills areas, and improved parking. BSP is now appointed on a second scheme delivering a two-storey block with classrooms, assembly halls, sensory rooms, fitness facilities, and offices. Working within a live school environment, the team addressed poor ground conditions and ensured the new development achieves Net Zero Carbon in operation, incorporating PV panels, air source heat pumps, and NVHR systems.

Client: Lincolnshire County Council - South Holland District Council



Outwood Academy, Nottinghamshire

BSP is delivering civil and structural engineering services for the £35m redevelopment of Outwood Academy as part of the Department for Education's School Rebuilding Programme. The three-storey replacement building consolidates educational spaces for approximately 900 students while maintaining operations throughout construction. The project includes new sports pitches and outdoor areas, with phased demolition, temporary classrooms, and extensive stakeholder coordination. BSP is utilising BIM to support the design and delivery, ensuring the school meets modern educational standards, enhances site usability, and supports the local community's educational needs.

Client: Ashfield District Council



Oscott Manor SEND School, Birmingham

BSP provided civil, structural, and transportation engineering services for the new £10m Oscott Manor SEND School, supporting pupils with autism. The two-storey facility includes teaching spaces for ICT, science, music, and design & technology, alongside staff facilities, a multi-use games area, forest school, secure boundaries, and drop-off zones. Delivered under the Department for Education's Priority School Building Programme, BSP designed a steel frame with shallow UC beams and precast units to achieve flexible floor construction, integrating sports hall facilities while ensuring a stylish, functional learning environment for 120 students.

Client: Oscott Manor SEND School



Polesworth School, Tamworth, Staffordshire

BSP delivered civil and structural engineering consultancy for a £6m three-storey 2,479m² science teaching block at Polesworth School. Part of the DfE Priority Schools Building Programme, the extension replaced five aging teaching blocks and includes ICT, design & technology, science laboratories, staff spaces, and a resurfaced MUGA with Sport England-compliant markings. BSP addressed COVID-19 site working requirements, designed a steel frame with shallow UC beams and precast units, and developed an SFS and brickwork envelope, ensuring the project delivered safe, modern, and functional teaching spaces.

Client: Polesworth School



Hallam Fields Primary School, Leicester

BSP Consulting provided civil and structural engineering services for the new Hallam Fields Primary School, a one-form entry facility serving the growing Birstall community. The £4m project delivered sustainable, flexible teaching spaces and recreation facilities, incorporating complex earthworks, hybrid structural solutions, and a SUDS-based drainage system with swales, filter margins, and raingardens. BSP overcame site level challenges to provide a cost-effective, high-quality learning environment aligned with modern educational standards.

Client: Leicestershire County Council via SCAPE



Glenvale School, Northamptonshire

BSP provided civil and structural engineering services for the £6.4m new-build 420-place Glenvale School, a two-form entry primary school with a nursery and community centre. The project, built to BREEAM Very Good standard with PV panels and carbon-negative design features, included classrooms, resource hubs, staff facilities, and covered play areas. The design supported a sustainable urban extension and generated significant local social value through job creation, apprenticeships, and community assets. BIM was utilised to coordinate the complex architectural and structural design, including a double-height entrance foyer with splayed wings.

Client: Wellingborough Town Council



Ashby Hastings School, Leicestershire

BSP provided civil, structural, and transportation engineering services for the £5.5m Ashby Hastings Primary School, a high-tech, eco-friendly academy within the National Forest. The two-storey, 210-place school integrates sustainable technologies, including solar panels, natural ventilation, sprinklers, and accessible multi-level design. BSP addressed challenging site topography, ensuring the development delivers energy-efficient, modern teaching spaces that blend with the surrounding environment and provide a replicable model for future low-energy school projects.

Client: Leicestershire County Council



Castleward Spencer Academy, Derby

BSP Consulting delivered civil, structural, transportation, and geotechnical engineering services for the £7.6m Castleward Spencer Academy Primary School as part of the £100m Castleward regeneration scheme. The development accommodates 315 pupils and a 39-place nursery within one- and two-storey blocks. BSP maximised site efficiency on a restricted 5,200m² brownfield plot, integrating innovative rooftop play spaces and safe, accessible circulation. The project combined technical engineering solutions with creative design to provide high-quality, engaging educational spaces.

Client: Derby City Council - SCAPE - Major Framework



Murray Park Community School, Derbyshire

BSP provided civil, structural, and transportation engineering services for the £9m expansion of Murray Park Community School, creating a new two-storey block with 15 classrooms, library, offices, and reception facilities. The project increased pupil capacity from 1,100 to 1,650, delivered under the SCAPE framework. Engineering solutions included flush wall construction, slim columns for maximised classroom space, and detailed site drainage analysis, ensuring an inspiring and functional learning environment completed on time and within budget.

Client: Derby City Council via SCAPE Group



Ratcliffe School & College, Leicestershire

BSP delivered civil, structural, and transportation engineering services for Ratcliffe College, including a new £4.5m Preparatory School and a £2.8m two-storey fitness suite. The facilities include classrooms, technology and science labs, a performing arts centre, and assembly spaces. All works were undertaken within a live school environment, ensuring minimal disruption while enhancing learning and sports provisions, supporting both the College's educational objectives and community sporting activities.

Client: Ratcliffe College



Brooksby Melton College, Leicestershire

BSP Consulting provided civil and structural engineering for the £9.1m Brooksby Melton College specialist campus, delivering modern facilities for motor vehicle, construction, floristry, horticulture, environmental studies, foundation learning, and sports. Working within a rural, sensitive planning context, BSP developed SUDS-based drainage solutions and collaborated with the client to ensure cost-effective, robust, and flexible spaces for indoor and outdoor learning, supporting the College's aim to broaden educational provision.

Client: Brooksby Melton College



Grantham College, Lincolnshire

BSP Consulting delivered civil and structural engineering services for the £2m redevelopment and extension of the Grade II listed Stonebridge House at Grantham College. The works included flexible teaching spaces for STEM disciplines, breakout areas, and a new lift over a vaulted masonry basement. A bored pile foundation system was implemented to protect existing structures, ensuring heritage-sensitive solutions while supporting the college's Higher Education and technical skills provision.

Client: Grantham College



Apprentice Academy, Raynesway, Derby

BSP provided civil and structural engineering for Rolls-Royce's £9.3m Apprentice Academy, a three-storey extension to the existing training facility. The project includes 1,200m² of workshop space and linked teaching areas, facilitating hands-on learning for precision engineering apprentices. BSP translated the client's design concepts into a cost-effective, deliverable solution, integrating flexibility for changing training requirements and ensuring high-quality, practical learning environments for future engineers.

Client: Rolls Royce



Public Sector Hub, Horncastle

BSP Consulting provided civil and structural engineering for the £8.2m Horncastle College and Public Sector Hub, creating shared facilities for Boston College and East Lindsey District Council. The two-storey building incorporates classrooms, office spaces, and sustainable features reducing energy use by 75%. A cantilevered structure allowed unobstructed views in the council chamber, and SUDS drainage with permeable parking ensured environmental performance, delivering a modern, multi-functional learning and community facility.

Client: Lincolnshire County Council



Holywell Fitness Centre, Loughborough University

BSP provided civil and structural engineering for the £5.6m Holywell Fitness Centre, a new build sports and fitness facility on a live university campus. The project includes four badminton courts, multi-sport hall, fitness studios, gym, and changing facilities, supporting 5,000 users. BSP's braced bay steel frame and composite beam design minimised structural intrusions, ensuring open, flexible spaces for sport and fitness activities.

Client: Loughborough University



Loughborough University, Leicestershire

BSP Consulting delivered civil and structural engineering for the £30m refurbishment of the W&S Buildings at Loughborough University. The phased 19-stage refurbishment included labs, lecture theatres, offices, and a new glazed steel frame entrance, allowing uninterrupted campus operations. BSP utilised integrated structural modelling (ISM) to coordinate complex design requirements, enabling modern, functional, and flexible learning environments across 183,000 sq ft of space.

Client: Loughborough University

