



COMMERCIAL

Innovative window, door and curtain walling solutions for new build and refurbishment of any public building, retail or commercial project.



SENIOR ARCHITECTURAL SYSTEMS



our innovative products enjoy a proven heritage within the commercial sector

Senior Architectural Systems offer a complete range of integrated windows, doors and curtain wall systems, alongside product experience, training, support and sourcing, to ensure an end-to end-solution.

Our team of experienced architectural advisers, together with our technical services department, are always available to advise on all issues relating to specification, technical data and calculations, value engineering options and any other matters that aid in taking your project from concept, through design and specification, to completion.

We are well known for our unique down-to-earth cooperative approach. Fabricators, architects and contractors around the UK tell us that's why they choose to deal with Senior rather than anyone else.

Providing nationwide coverage in every aspect, we are happy to meet to discuss your project, whether you are planning a commercial/retail venture, refurbish a shopfront, or build a new Headquarters or office building. Our range of innovative, high performance systems offer many design options, whilst maintaining a market leading competitive edge, enabling us to bring savings to overall build costs where we are involved from an early stage.

For more than thirty years we have been successfully involved in many commercial projects, both new build and refurbishment, and are always pleased to be associated with bringing aesthetically pleasing, comfortable, low maintenance buildings to fruition.

commercial offices

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shops/retail /showrooms

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public buildings

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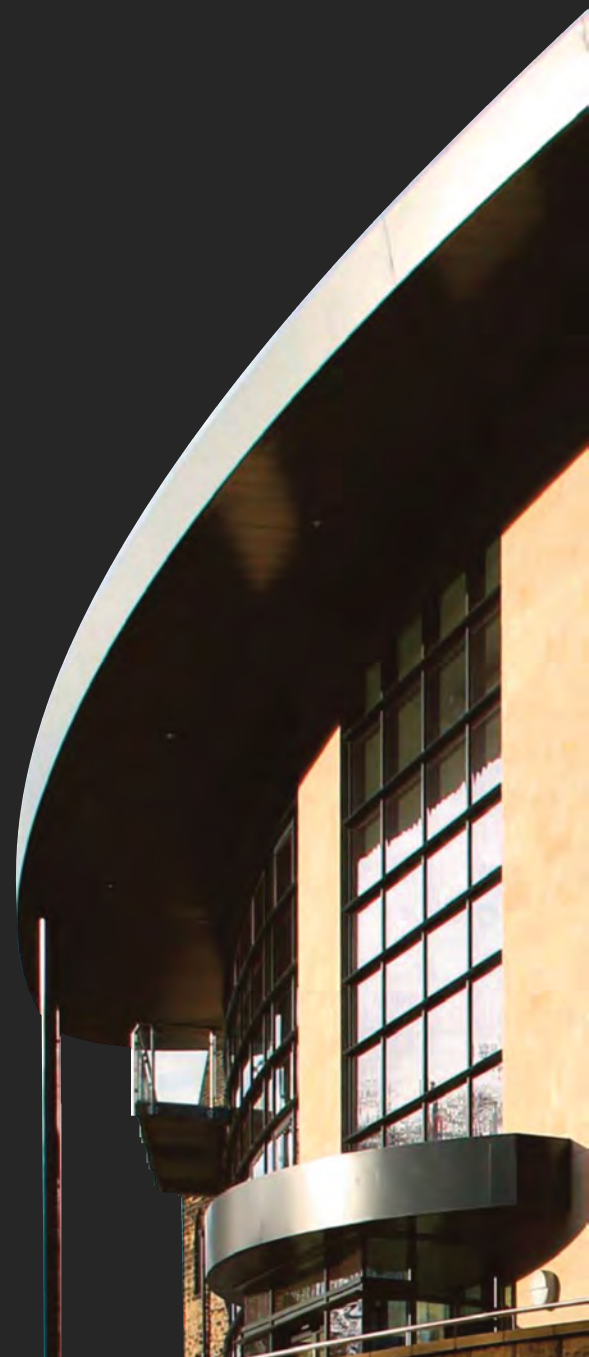
a focus on commercial

Commercial sector premises have their own inherent challenges which need solutions designed in at the outset. Today's modern world dictates a high tech focus on use, whether it's hot desking for staff, break out areas, or new innovations in flexible working, video conferencing and data sharing.

The way we conduct business now means that our working environments need to be adaptable. Site location plays a large part, and can contribute to acoustic problems, and heat gain, which in turn impact on staff.

The team at Senior enjoy the challenge of helping to solve these problems and revolutionising the industry, over-coming challenges such as:

- / **Daylight** - increasing need for natural daylight
- / **Noise** - location of a building from traffic or aircraft noise
- / **Ventilation** - the provision of adequate ventilation is now paramount
- / **Durability** - the use of suitable hardware for high use
- / **Automation** - entrance doors
- / **Access** - disabled and visually impairment assistance
- / **Security** - restricted access and enhanced security features
- / **User safety** - anti-finger traps
- / **Flexible environments** - the ability to use areas flexibly
- / **Thermal performance** - the increasing need to provide improved performances





after more than thirty years in
business we are known for
the **effectiveness**
of our approach



Senior Architectural Systems is one of the largest and most respected fenestration systems companies in the UK today.

We offer an extensive range of Aluminium architectural façade systems, plus we have our own powder coating facilities, and fleet of eco delivery vehicles. So whatever your budget, deadlines, performance specification or design, we have an answer to fit.

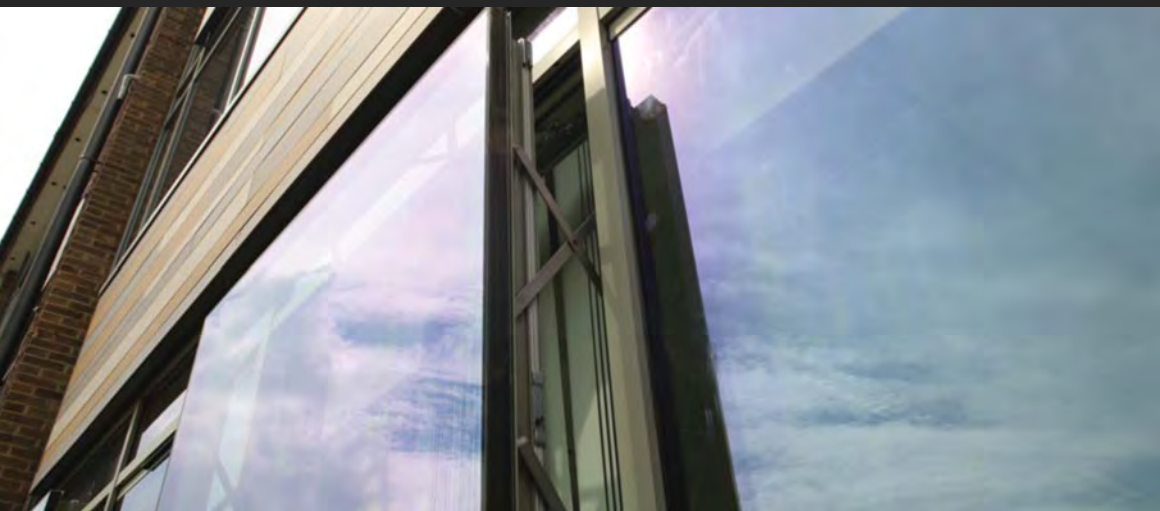


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typical products

Senior is proud to have developed one of the most extensive, innovative and effective range of products on the market today.



SPW600e Windows

SPW600e is a three chamber, 75mm polyamide thermally enhanced aluminium window system offering versatility (wide variety of window styles) and is available in single or dual colour.



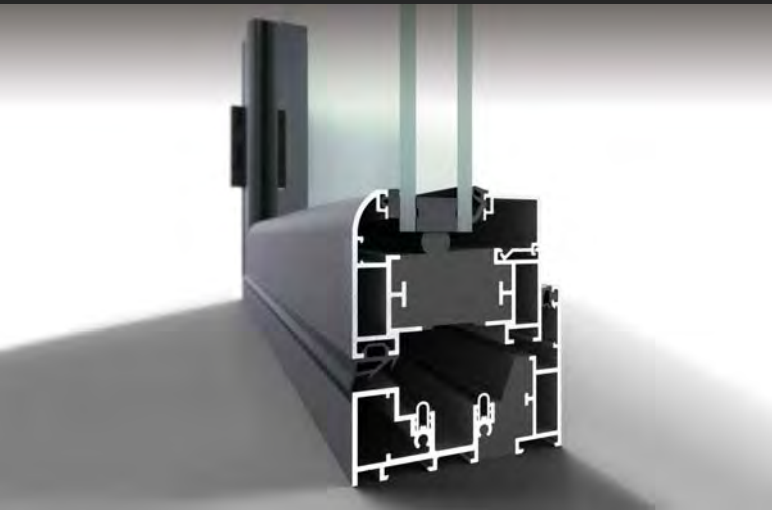
SPW501 Doors

Commercial thermally broken aluminium door with enhanced design options offered by a clip and flush mullion section in a choice of widths.



Aluminium Curtain Wall

A range of curtain walling systems, providing a wide variety of aesthetics and excellent thermal performance for both ground floor and high rise projects.



PURe® Windows & Doors

A revolutionary range of aluminium windows and doors with an expanded polyurethane thermal barrier giving exceptional thermal performance.





a focus on **commercial**

COMMERCIAL OFFICES

From large floodlit atriums, entrance foyers, high traffic automated entrance doors to glass enclosed meeting rooms, the modern office environment needs to be adaptable to 21st century high tech business needs.

Most new build offices feature flexible working zones, break out areas, coffee points and high tech circulation methods for security.

Designers and architects are being asked to produce BREEAM rated offices, choosing sustainable elements in the fabric of the building including high tech glazing solutions, sedum roofs and rainwater harvesting for grey water use. Senior has many years of experience in providing solutions to the most challenging of requests.

- Solar control glazing can assist in reducing heat gain ensuring a comfortable workplace.
- Automated entrance doors and low thresholds to ease accessibility.
- Ventilation solutions that can be integrated into Building Management Systems.
- Minimum maintenance products.





case study
OFFICES

ARCO OFFICES

The striking angular design of the £16 Million, five-storey headquarters for safety equipment specialists Arco, forms part of the regeneration of the historic waterfront Fruit Market area in Hull.

To the front elevation, the stunning façade created using Senior's thermally efficient SF52 curtain wall makes a tremendous first impression, whilst SPW501 PAS24 certified commercial doors and Secured By Design Certified SPW600 windows ensure safety and security.

With its glass fronted atrium, open plan work spaces, social meeting areas and auditorium for presentations, Arco now has the facilities to meet future needs as the company continues to grow.

Architect:
> DLA Design

Products:
> SPW600 Windows
> SPW501 Door
> SF52 Curtain Wall





case study
OFFICES

JAMES DURRANS AND SONS

Contemporary office accommodation constructed in South Yorkshire to mark the 150th anniversary of global firm James Durrans and Sons. The building incorporates curtain walling systems from Senior Architectural Systems, ensuring views across a nearby valley are captured and that the interior of the building is flooded with natural light.

Costing more than £2.5 million to construct, the building, in Penistone, Sheffield, incorporates Senior's SCW+ curtain walling systems across its primary south elevation and its east and west elevations, giving those inside the stunning building clear views down onto the River Don and its natural surroundings.

Architect:

> **HTC Architects**

Main Contractor:

> **J F Finnegan Ltd**

Products:

> **SCW+ Curtain Walling**

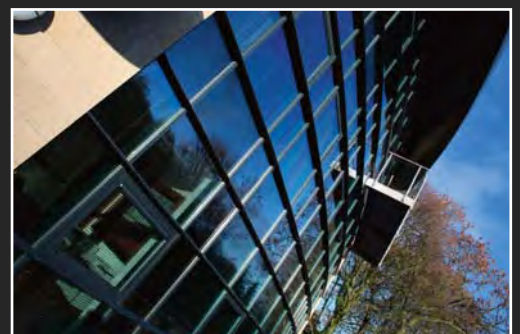
> **SD Doors**

> **SPW600 Doors**

> **SPW300 Windows**

BREEAM Rating:

> **Good**





a focus on **commercial**

SHOPS / RETAIL / SHOWROOMS

Showcasing products for sale to the general public is an art form in itself, and so too are the buildings designed around them. The general public are extremely demanding and most larger retailers now are addressing not only how they interact with their customers, but also on a moral level in terms of the quality of their supply chain, and their sustainability policies.



This change in attitude follows through to the construction of new developments, and some retailers are making the most stringent demands ever seen on the high street of the UK in recent times. Senior is at the forefront of these innovating changes, and is more than capable of meeting these developing needs.

- Sustainable choices of materials during construction phases.
- Traceability of materials to ensure compliance with legislation.
- Increased thermal performance of windows and doors in the commercial sector assisting heat loss management and thermal performance.



case study

SHOPS/ RETAIL/ SHOWROOMS

WILLOWBURN RETAIL PARK

Located within the historic market town of Alnwick, Willowburn Retail Park is a new shopping destination designed by Projekt Architects and constructed by Robertson Group.

The modern retail outlet features the extensive use glazed frontages created using Senior Architectural Systems' slimline SF52 aluminium curtain wall system and robust SPW501 aluminium commercial doors. Senior's systems were fabricated and installed by North Eastern Glass and Crown Doors and Shutters.



Architect:

> **Projekt Architects**

Main Contractor:

> **Robertson Group**

Installer:

> **North Eastern Glass & Crown
Doors and Shutters**

Products:

> **SF52 Curtain Wall**

> **SPW501 Doors**





case study

SHOPS/ RETAIL/ SHOWROOMS

WAVERLEY ARCHES

Developed and delivered as a design and build scheme by Union Projects, the C-listed railway arches which date back to 1878 have been refurbished as part of the wider New Waverley Developments scheme to provide a new complex of shops, bars and restaurants.

Senior's SF52 aluminium curtain walling, SPW600e windows and robust SD commercial doors were installed. The aluminium frames were powder coated at Senior's in-house facility to create a black matt finish that perfectly complements the industrial heritage of the railway arches.

As each of the arches gradually rises in height, the flexibility of Senior's SF52 aluminium curtain walling was vital in ensuring the seamless integration of the modern glazing systems into the historic structures.



Architect:

> **Staran Architects**

Main Contractor:

> **Union Projects Ltd**

Installer:

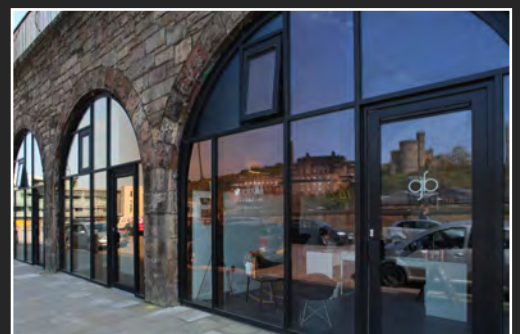
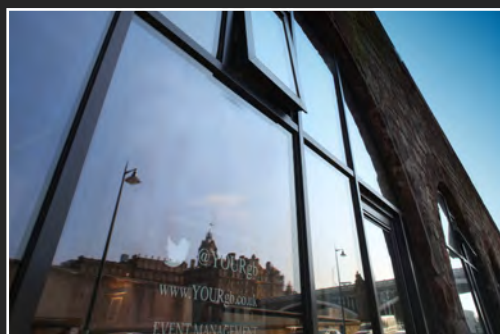
> **GG Glass & glazing**

Products:

> **SF52 Curtain Wall**

> **SPW600 Windows**

> **SD Doors**





a focus on **commercial**

PUBLIC BUILDINGS

Provision of public buildings can often be controversial as they generally use public funding, and this brings a need for accountability together with value for money. Sustainability issues together with a user friendly environment become serious considerations at the design phase, and often key people drawn from the users are invited to offer their considerations.

- Inviting entrances featuring a bright and airy environment are often chosen to limit the imposing and often intimidating nature of business being carried out.
- Automated and assisted power entrances ensure accessibility to all.
- Environmental and sustainable solutions to design are often built in to ensure value for money.





case study
**PUBLIC
 BUILDINGS**

PRIMARY CARE CENTRE

A range of products supplied by leading fenestration design and manufacturer Senior Architectural Systems and installed by CS Aluminium Windows Ltd has helped to give a healthy new look to a purpose built Primary Care Resource Centre in Buckley, north-east Wales.

Designed by architects Austin Smith Lord, a focal point of the new medical centre is the large atrium waiting room and reception area. Here, Senior's SCW+ aluminium curtain walling system has been used to create a welcoming entrance for patients by providing

copious amounts of natural light and stunning views across the common.

The new centre has also benefitted from the use of two of Senior's robust aluminium door solutions which are ideally suited for use in high traffic commercial environments.

In addition to the use of the thermally efficient aluminium SPW 600/e window system, Senior's thermally broken polyamide SPW 501 commercial door system has been specified for the centre's automatic doors and emergency exits.



Architect:

> **Austin Smith Lord**

Main Contractor:

> **Par Homes Ltd**

Products:

> **SPW501 doors**

> **SPW600e Windows**

> **SCW Curtain Wall**





case study
PUBLIC
BUILDINGS

DANUM GALLERY, LIBRARY & MUSEUM

Designed by Bond Bryan architects, the Danum Gallery, Library and Museum is a bold and ambitious restoration of four existing buildings to form a single cultural hub. The focal point is the restored frontage of a former Victorian school encased by Senior's SF52 aluminium curtain wall to form a stunning façade showcasing the exhibit, which looks even more dramatic when lit up at night. SF52 curtain walling was chosen for its slim sightlines, which allow extensive views of the building's restored period features and its enhanced thermal performance which helps improve overall energy efficiency.

Architect:

> **Bond Bryan**

Main Contractor:

> **Willmott Dixon**

Installer:

> **Chemplas Ltd**

Products:

> **SPW501 Doors**

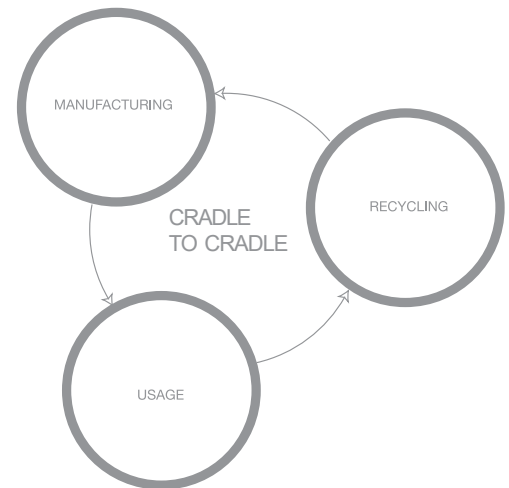
> **SF52 Curtain Wall**



protecting your environment

After more than thirty years in business we are well known for our down-to-earth, cooperative approach. Fabricators, architects and contractors around the UK tell us that's why they choose to deal with Senior rather than anyone else.

As well as being totally committed to customer service, we actively work with a green agenda, demonstrating our commitment to the environment for now and future generations.



Sustainable systems

Our systems not only look good, but are sustainable too. Extended life spans and low maintenance, with maximum recyclability and outstanding thermal efficiency, help to make the best use of the world's finite resources.

Responsible sourcing

Our materials are responsibly sourced from reliable suppliers who have good environmental credentials. Wherever possible, we use local UK suppliers to reduce transport miles.

Our aluminium systems are manufactured from recycled aluminium

BREEAM

BREEAM (Building Research Establishment's Environmental Assessment Method) is the world's foremost environmental assessment method and rating system for new buildings, setting the standard for best practice in sustainable building design, construction and operation.

We help architects and specifiers to achieve up to 40 of the 119 BREEAM credits available for new buildings, by careful specification of the fenestration material and glass choice from the Senior range of products, enabling fabricators, installers and contractors to build more sustainable buildings for future generations.

Beyond Senior

Our environmental responsibilities don't end at the factory door. Our fabricator training includes waste reduction programmes and training on product efficiency and insulation requirements in use, to make sure that current building regulations are met and exceeded where possible.

A bright future

We don't rest on our laurels. Each year we review how we've done and set ourselves new environmental objectives and targets, so that we can continue to improve our environmental credentials year on year.

In addition we are investing heavily in innovative new products with improved U-values, with the aim of making the passive house a future reality.



helping you achieve BREEAM[®] credits

What is BREEAM?

BREEAM (Building Research Establishment's Environmental Assessment Method) is the world's foremost environmental assessment method and rating system for buildings, with 250,000 buildings with certified BREEAM assessment ratings and over a million registered for assessment since it was first launched in 1990. The system sets the standard for best practice in sustainable building design, construction and operation.

Ten categories for a sustainable building

A BREEAM assessment uses recognised measures of performance, set against established benchmarks, to evaluate a building's specification, design, construction and use.

Credits are awarded across ten categories, based on the outcomes of the building assessed. The credits are then combined to provide a single score, achieving either a Pass, Good, Very Good, Excellent or Outstanding overall BREEAM rating.

Senior and BREEAM

Senior Architectural Systems' product range has been developed with BREEAM at its centre. Our systems are proven to help you achieve a credible BREEAM rating. With many BREEAM rated projects already successfully utilising Senior products, we have a wealth of experience to assist the architect/designer in meeting their sustainability goals.



Categories	Credits Available	Senior Architectural products impact
Management	11	No
Health & Wellbeing	14	Yes
Energy	24	Yes
Transport	9	No
Water	9	No
Materials	13	Yes
Waste	7	Yes
Land Use & Ecology	10	No
Pollution	12	No
Innovation	10	Yes
Total	119	

HEAD OFFICE

Senior Architectural Systems Ltd, Eland Road, Denaby Main, Doncaster, South Yorkshire, DN12 4HA.
Tel: 01709 772 600. E-mail: info@seniorarchitectural.co.uk

BRANCHES

Scotland; Unit 4 Dunlop Court, Deans Industrial Estate SW, Livingston, West Lothian, EH54 8SL.
Tel: 01506 407 640.

South; Unit 4 Leeway Industrial Estate, Newport, South Wales, NP19 4SL.
Tel: 01633 277 880.

www.seniorarchitectural.co.uk



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Senior Architectural is a major UK supplier of fenestration solutions. This brochure is intended to show what makes Senior's unique and how our products and services can make a difference to customers, clients, their projects and the environment.



SENIOR ARCHITECTURAL SYSTEMS

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