



RETAIL

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



SENIOR ARCHITECTURAL SYSTEMS



Morrisons, Eland

our innovative products enjoy a proven heritage within the retail 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 to open a single shop, a bright airy showroom or a full out of town retail development.

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 two decades we have been successfully involved in many retail type projects, both new build and refurbishment, and are always pleased to be associated with bringing aesthetically pleasing, comfortable, low maintenance buildings to fruition.



shopping centres & supermarkets
Page 12



high street
Page 18



showrooms
Page 24



leisure
Page 30

a focus on retail

The retail and leisure sectors within the construction industry encompass many differing needs from 'sustainable' solutions, in line with retail multiples' core principles, to a single shopfront with door.

Design considerations at the outset may include site location, parking, building orientation, ingress and egress, solar gain, and thermal performance, which in these days of increased energy costs for larger projects is becoming a significant challenge for the designer.

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** - windows and 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



Tesco, Maryhill



after more than two
decades in business we are
known for the effectiveness
of our approach



Since 1991, Senior Architectural Systems has grown to be one of the top fenestration companies in the UK and the UK's largest* privately owned fenestration systems company.

Our innovative products are offered in a range of material options and are supported by a dedicated powder coating facility and glazing unit factory, allowing us to guarantee delivery of the complete package.

It is this combination of flexibility and stability that ensures we have the resources, infrastructure, facilities and staff to provide the support you expect, at the design stage, during construction and throughout the ongoing lifetime of the building.

British based company: all our systems and products are fabricated and supplied from within the United Kingdom.

Fully accredited systems which enhance any building façade.

All products are manufactured / fabricated to exacting standards and quality is assured through constantly monitored systems and processes.

All material processing carried out 'in-house' leading to highly efficient and time sensitive turnaround service.

Full range of products utilising differing materials.

Expert technical and specification support available.

Consideration is always given to materials used in terms of recyclability and sustainability.

Dedicated ISO 14001, ISO 18001 and ISO 9001 quality accredited service centres in England, Wales and Scotland,



012



SENIOR ALUMINIUM SYSTEMS™

Cradle to cradle recyclable high performance aluminium glazing systems to meet the needs of every project.



SENIOR HYBRID SYSTEMS™

The original and trusted high insulation timber/aluminium composite solution. Developed, manufactured and supplied in the UK.



SENIOR GLASS SYSTEMS™

Senior Glass Systems offer high performance glazing products to meet the needs of all new and refurbishment projects.



typical products

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



NEW... Ali FOLD

The Ali FOLD door range has been designed to meet current and future Building Regulations, with impressive U-values and thermal performance. Available as a folding sliding and swing door system.



PURe® Windows

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



PURe® FOLD Folding Sliding Door, Single & Double Swing Door.

Minimum maintenance aluminium doors featuring ultra low U-values for the ultimate in thermal performance, and complementing the windows range.



PURe® SLIDE Lift & Slide Doors

Contemporary larger style lift and slide doors in a standard or heavy duty option featuring the ultra low U-values of the revolutionary PURe® range.

typical products



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.



Hybrid Doors

Further extension of the Hybrid range to offer greater choice and added flexibility in door solutions.



SPW501 Doors

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



Hybrid Windows

A leading range of timber and aluminium composite windows that can be used independently or in combination with the Hybrid curtain wall system. Hybrid Series 2 window suite also available, featuring slimmer sightlines for increased aesthetics.



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.



Hybrid Curtain Wall

Unique UK manufactured timber aluminium composite curtain wall system, fully CWCT compliant. Wide variety of design alternatives.



a focus on retail

SHOPPING CENTRES & SUPERMARKETS

Be it an enclosed, out of town shopping centre or a larger, 24 hour supermarket, the need for automated entrances, daylight flooded atriums and large glass elevations all play a significant part in today's modern shopping experience.

Retailers must now encompass not just a shopping experience for their customers but lifestyle choices, such as coffee shops, relaxing areas, and children's play areas, occasionally in retrofitted mezzanine areas, or upper floors. Challenges such as these involve design considerations such as brise soleil to minimise solar gain, additional ventilation or wind lobbies for additional protection. Senior has many years experience in providing solutions to the most challenging of requests.

- Solar control options can assist in reducing heat gain.
- Automated entrance doors and low thresholds ease accessibility for all customers.
- Ventilation solutions can be integrated into a Building Management System.
- Minimum maintenance products.





case study
**SHOPPING
CENTRES &
SUPERMARKETS**

TESCO, MARYHILL

This 24-hour megastore, built on stilts, was one of the most complex construction projects ever for Barr Construction. Constructed over an eight metre void at a disused railway line, the store and adjacent concessions were elevated to accommodate a 500 space underground car park. Investment in the area has provided welcome employment and it is hoped further regeneration will follow.

Featuring Senior's SMR900 Curtain Wall throughout, the provision of full height glazing ensures optimum daylight flooding the retail area, providing an enviable retail experience for Tesco customers and staff alike.



Architect:

> **Manson Architects**

Main Contractor:

> **Barr Construction**

Products:

> **SMR900 Curtain Wall**





case study
**SHOPPING
CENTRES &
SUPERMARKETS**

PANNELCROFT INTERNAL STREET

The recently completed Birmingham-based Extra Care Charitable Trust residential development at Pannelcroft Extra Care Village in Newtown is a brand new complex which provides a supportive living environment to the over 55s, irrespective of their care needs.

Senior's diverse range of windows and doors were specified throughout the development, along with SFG shopfront for the village's internal high street, where services including a restaurant and IT suite can be found. The SMR900 curtain walling system was also specified for use at Pannelcroft, flooding the

interior of the building with natural light, ensuring residents feel at ease and helping to bring a sense of the outside inside. The range of products provided a one-stop-shop for the main contractor, easing site programming issues.

Pannelcroft Village provides individual living accommodation consisting of 180 one and two bedroom apartments. A variety of community-based health and leisure facilities are also provided on site, along with hairdressing and beauty salons, village hall, village shop, gym, library, greenhouse, woodwork room and cafe bar.



Architect:

> Nicol Thomas Architects

Main Contractor:

Frank Haslam Milan Construction

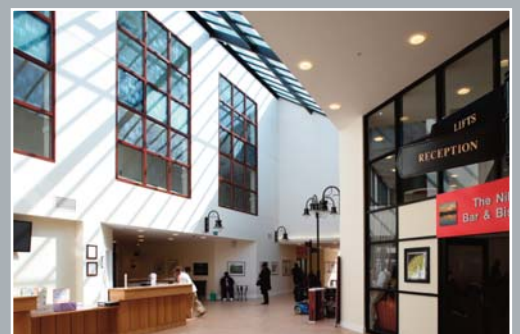
Products:

> SPW600e Windows

> SFG Shopfront,

> SD Doors

> SMR900 Curtain Wall





a focus on retail

HIGH STREET

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.
- Folding sliding doors for today's cafe pavement culture.





case study
HIGH STREET

FLEMINGATE, BEVERLEY

Located in Beverley, East Yorkshire the development comprised substantial retail and leisure facilities securing 163,000 sq ft of prime retail space, dominated by many well known high street names.

Featuring shops, cafes, restaurants, hotel and a cinema, Debenhams secured a significant position to entice customers into its showcase 40,000 sq ft store. Senior's SF52 curtain wall system was specified for use in Flemingate in every single store, as the product of choice for this prestigious site.



Architect:

> **Harris Partnership**

Main Contractor:

> **Willmott Dixon Construction**

Products:

> **SF52 Curtain Wall**





case study
HIGH STREET

TURNER COURT, PORTLAND GREEN STUDENT VILLAGE

When architects ID Partnership designed Turner Court, a new eight storey accommodation block in Portland Green Student Village in Newcastle, they included all the features that busy students need. So it was no surprise that within days of opening, every one of the 275 bedrooms was fully let.

Built by Metnor Construction on a brownfield site, Turner Court provides a combination of 4-7 bedroom en-suite cluster apartments and studios that can cater for single or double occupancy. Facilities include high speed broadband, ample bike storage, common room, launderette and games room as well as an on-site Tesco Express and Subway.

Now one of the most popular developments in the lively and buzzing student village, Turner Court is ideally located for students from both Northumbria and Newcastle Universities.

Featuring Senior's polyester powder coated SCW+ curtain walling, SPW300 windows and automated SD Doors, fabricated and installed by Visual Concepts Ltd, the building provides a warm welcome to students living away from home for the first time. With access severely restricted around the site Visual Concepts Ltd. completed the installation with the use of mast climbers to the outside of the building and courtyard elevations.



Architect:

> ID Partnership

Products:

> SPW300 Windows

> SD Doors

> SCW+ Curtain Walling





a focus on retail

SHOWROOMS

Sleek lines, wonderful colours, glittering chrome and the smell of new leather! Nothing is quite as alluring as the look and feel of a new car, and the companies displaying expensive vehicles like nothing better than their buildings to reflect the cars.



From elegant, large sliding doors to allow vehicles to be displayed and manoeuvred around a showroom for maximum effect, to a funky dealership with the latest city run-arounds bolted to the side of the building, designers have their work cut out to come up with innovative ideas, and Senior has more than enough under their bonnet to assist!

- Easy glide large doors for simple access, security and weathering.
- Glazing options to minimize solar gain.
- Every colour under the sun for powder coated aluminium.



case study
SHOWROOMS

INCHCAPE VOLKSWAGEN, STOCKPORT

Curtain wall, shop front glazing and commercial doors systems from leading fenestration designer and manufacturer Senior Architectural Systems have helped to create the perfect retail environment for two new car showrooms, one of which is the Inchcape Volkswagen showroom in Stockport.

Main contractor Hantall Developments has created an eye-catching attractive facade using the thermally enhanced SMR800 curtain wall which has been perfectly integrated with Senior's SFG shop front glazing system and SD automatic doors.

With a wealth of experience in delivering high-quality solutions for commercial and retail applications, Senior curtain walling and glazing systems have been designed to help specifiers working in this market meet the required environmental requirements by creating high-visibility shop frontages that minimise solar gain to create a comfortable consumer experience.



Architect:

> **Fletcher Smith Architects**

Main Contractor:

> **Hantall Developments Ltd**

Products:

> **SMR800 Curtain Wall**

> **SFG Shop front**

> **SD Doors**





case study
SHOWROOMS

DOUGLAS PARK BMW

Maximising the consumer experience in a showroom is assisted by the use of natural daylight flooding through vast expanses of full height glazed curtain walling, with detailed infill panels. Complementing the sleek lines of new cars, sparkling glazed facades offer unrivalled views to the passers-by of the wonderful array of new leather filled automobiles within, lined up with chrome detailing glistening.

Provided by Senior's during the upgrade of Douglas Park BMW, SMR900 curtain wall together with automated SD Doors, allowed the designers to ensure the showroom performed at its peak. Aesthetically pleasing, to coordinate with the facade of the building, the powder coated aluminium features slim sightlines and offers minimum maintenance to this busy company, showcasing its top of the range vehicles.



Architect:
 > **Network Five Architecture**

Main Contractor:
 > **CCG Scotland**

Products:
 > **SMR900 Curtain Wall**
 > **SD Doors**





a focus on retail

LEISURE

Our leisure time is very precious, and how we spend it is down to personal choice. Shopping, gym, a coffee with friends, meals out, football or rugby... the choice is endless. The growth in the leisure industry has been driven increasingly by technological advances, and the ability to work flexibly from anywhere, and the crossover between retail and leisure is now indistinguishable.



Even football and rugby clubs have retail outlets selling club merchandise, to maximise brand awareness and marketing potential.

Senior is more than adept at assisting designers in this environment, and offering solutions or ideas to gain the maximum impact.

- Folding sliding or inline sliding doors for a cafe style pavement culture eating experience.
- Unusual features to a facade or elevation.
- Marine specific powder coating options for buildings we enjoy on those seaside days out.



case study
LEISURE

BILLS, MUSWELL HILL

Turning an historic or listed building into a modern workable space takes both skill and imagination. This was the challenge facing Stride Treglown Architects at 107–143 Muswell Hill Road, in North London.

The project was to refurbish a retail parade of six shops with 10 residential units above, attached to a listed Odeon cinema. Built in the 1930's the buildings had been modified internally and externally since construction but had been in decline for some time.

Taking care to retain the historic fabric, architectural character and overall appearance of the listed buildings Stride Treglown Architects came up with an imaginative design for a new retail facility and restaurant plus eight new residential units on the third floor.

A key factor in achieving the final eye catching design was the choice of fenestration which included a curved section of curtain wall for the new restaurant. Senior Architectural Systems' SCW+ aluminium curtain wall was specified for the task, combining versatility with enhanced thermal performance.



Architect:

> **Stride Treglown Architects**

Main Contractor:

> **ARJ Construction**

Products:

> **Hybrid Folding Sliding Doors**

> **SCW+ Curtain Wall**

> **SFG Shop Front**

> **SD Doors**





case study
LEISURE

COLCHESTER LEISURE

The striking, angular Colchester Leisure World extension incorporates Senior Architectural Systems' curtain wall systems, helping to achieve contemporary, sleek design aspirations for the centre's brand new coffee shop and entrance lobby.

The specification of curtain wall systems for this dramatic, pointed building ensures the entrance and new cafe areas are provided with a high-quality finish, welcoming visitors into the centre and creating a relaxed, calm environment for staff and customers alike.

Senior's aluminium SCW+ curtain walling systems and SD commercial doors were specified for the Essex-based project by designers NPS Group. Senior's curtain walling systems were installed at full height on the two main elevations. The screens are capped and meet at a tip to create a 'fin' shaped extension, bringing an ocean-theme and feel to the leisure centre. The systems, which are fully weather tested, help to maximise daylight and give clear, open views onto the centre and its surroundings including its distinguishing water slide feature.



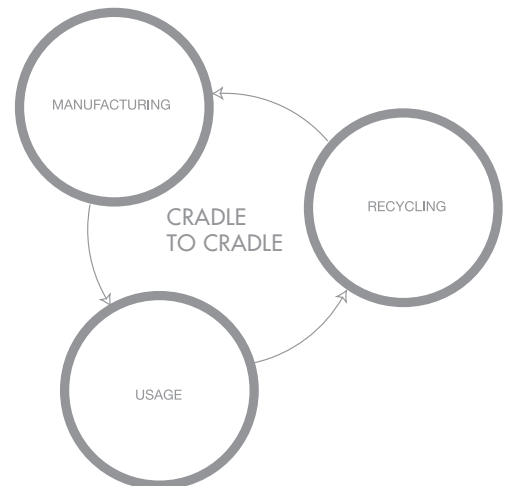
Architect:
 > **NPS South East Architects**
 Main Contractor:
 > **Cadman Group**
 Products:
 > **SCW+ Curtain Wall**
 > **SD Doors**



protecting your environment

After more than two decades 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.

Aluminium systems are manufactured from recycled aluminium and timber is sourced from sustainable forests in main land Europe with full PEFC accreditation. For every tree felled, four are planted to ensure no negative impact on the environment.

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.

For specifiers we offer a RIBA approved CPD seminar on 'Designing Sustainable Fenestration Systems' which gives advice on how, with careful design and specification, a BREEAM excellent rating can be achieved.

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.



M&S

Welcome
to your
Eco Store

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	



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Council for Aluminium



Enhanced Security Door
 Enhanced Security Window
 Window General Performance



ALUMINIUM

HYBRID

GLASS



SENIOR ARCHITECTURAL SYSTEMS

Senior Architectural Systems is a major UK supplier of fenestration solutions, specialising in providing aluminium, timber and glass glazing systems to the highest standards. 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.

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