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The original timber/aluminium composite solution

a new concept in composite facade and window systems



SENIOR **HYBRID** SYSTEMS™





From initial design, to final installation, Hybrid provides a **true** environmental statement

Senior Hybrid Systems, part of Senior Architectural Systems' family of glazing solutions, offers a comprehensive range of fenestration solutions for commercial and residential applications.

We take the environment seriously. The team at Senior Hybrid Systems is aware of the impact that buildings have on the environment, and we take a lifecycle responsibility for the products that we manufacture and deliver.

The Hybrid composite timber/aluminium range is a natural extension of this ethos. Hybrid combines the advantages of long life and low maintenance of aluminium externally, with the benefits of engineered timber internally, producing energy efficient windows and façades that are designed to last.

Hybrid is designed and manufactured in the UK and is fabricated by a network of UK companies.

Welcome to the family.







06 | The environment

Taking responsibility for the products that we manufacture.

08 | The Senior Hybrid difference

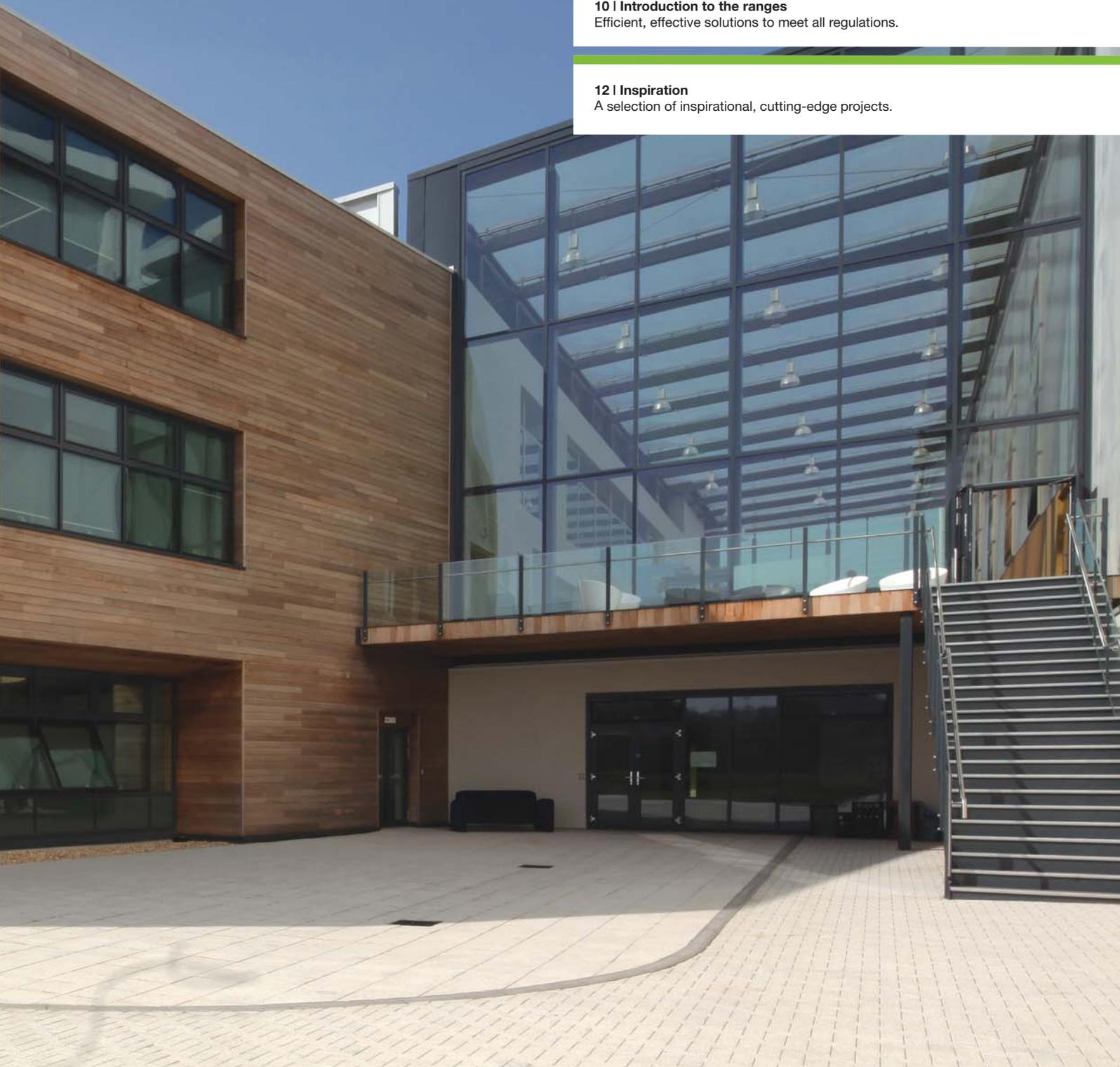
An introduction to the Hybrid family of products.

10 | Introduction to the ranges

Efficient, effective solutions to meet all regulations.

12 | Inspiration

A selection of inspirational, cutting-edge projects.



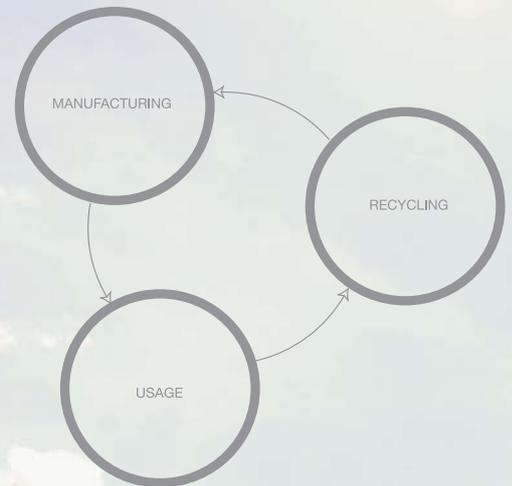
Taking the environment seriously

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's 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.

We minimise the risk of any chemical releases during production, and our systems in aluminium, wood, glass and fibreglass are perfect for producing low maintenance, energy efficient windows and façades that have a long life.

Our metal of choice is aluminium. It recycles perfectly without losing any of its properties. And best of all for our planet, we make sure that our suppliers of wood always plant more trees than we use.





The Senior Hybrid difference

The original and trusted composite solution

Manufactured and supplied in the UK, Hybrid is a high insulation composite timber and aluminium window range, complemented by a matching door and curtain wall system.

Hybrid combines the advantage of the long life and low maintenance of aluminium externally with the high insulation, environmentally focused benefits of responsibly sourced engineered timber internally.







SENIOR **HYBRID** SYSTEMS™





Overview

The Hybrid family comprises the Series 1 range of traditional composite windows and doors, Series 2 contemporary collection of commercial slimline windows, and Series 3 composite curtain wall system.

Hybrid combines the advantage of the long life and low maintenance of aluminium externally with all the benefits of engineered timber internally. The product is designed and manufactured within the UK, and is fabricated by a network of UK companies. The range exceeds all current standards, making it an ideal solution for both new-build and refurbishment projects, particularly where site measurement is required.

Internally, Hybrid features either natural or painted timber. Externally, Hybrid is offered with a choice of finishes in polyester powder paint - virtually any RAL colour in either gloss, satin or matt. An anodised external finish is also available.

Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 standards.

The Hybrid range, when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), can offer significant benefits. For project specific assistance please contact our specification team.

Windows

- Series 1:**
- Casement
- Inward opening
- Reversible flush

Doors

- Series 1:**
- Inward opening
- Outward opening
- Sliding/folding
- In-line sliding

Windows

- Series 2:**
- Casement

Curtain wall

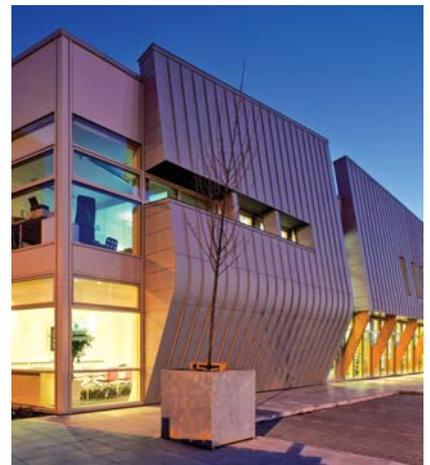
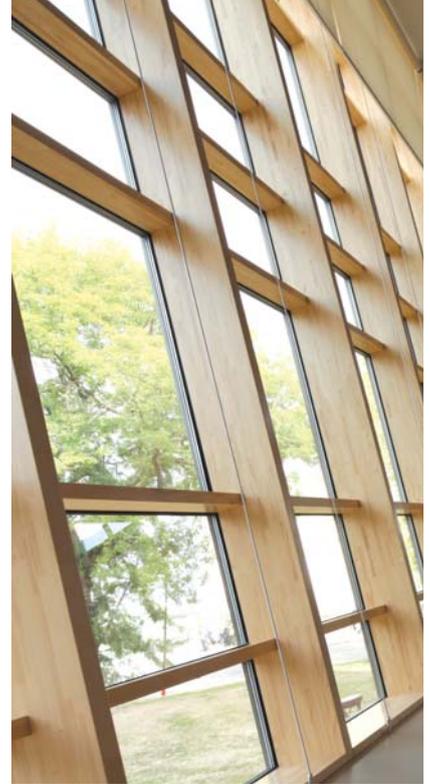
- Series 3:**

The Hybrid range of products from Senior Architectural Systems is renowned for combining strong sustainability benefits with proven, effective design innovations. The range is manufactured from 100% PEFC accredited timber.

Series 1 is the original trusted composite solution, available in window and door ranges.

Series 2 is the latest addition to the established Hybrid window range and offers aesthetic benefits such as symmetrical slim sight lines combined with the latest advancements in technology and sustainability.

Series 3 is an integrated and complementary curtain wall solution.







Case study | Commercial

Treglown Court, Cardiff

*Hybrid Series 3 curtain wall
Hybrid windows*

Treglown Court is the new Cardiff office of Stride Treglown, the UK's 15th largest architectural practice. The building incorporates a ground level recessed front facade of Hybrid Series 3 curtain wall integrated into the glulam frame complemented by Hybrid windows. To the rear, the building features a striking timber-clad façade glazed with Senior's Hybrid windows.





Case study | Research

Vestas, Isle of Wight

*Hybrid curtain wall
Hybrid windows*

A 28,000m² facility on the Isle of Wight for Vestas Blades UK Ltd features a striking, energy-efficient three-storey cedar clad office block incorporating Senior's high insulation, Hybrid curtain wall and composite windows. Hybrid features engineered timber internally and coated aluminium facings externally. The design is both aesthetically attractive and offers a high level of protection against the island's environment.







Case study | Commercial

Hanworth Air Park Leisure Centre & Library

Hybrid curtain wall

Hanworth Air Park Leisure Centre & Library in the London Borough of Hounslow, West London is a mix of leisure facilities and a new 300m² library, both of which are served by a double-height dual entrance featuring Hybrid curtain wall. Senior's medium rise composite curtain wall system has been designed to achieve high weather and thermal performance, and its creative inclusion forms an aesthetically attractive link with the surrounding park.







Case study | Education

University of Bradford School of Health Studies

*Hybrid curtain wall
Hybrid windows*

An architecturally impressive and purpose-built four-storey extension to the fully refurbished Horton Building is the new home for the University of Bradford's School of Health Studies.

Featuring Senior's Hybrid composite aluminium and engineered timber casement windows, a major design statement is the nine metre-tall screen of Hybrid curtain wall set into a dramatically sloping elevation.







Case study | Health

Goscote Palliative Care Centre, Walsall

*Hybrid curtain wall
Hybrid windows
SPW600 doors*

NHS Walsall's recently completed £5.4m, 12-bed Palliative Care Centre has been constructed around an envelope of Senior's Hybrid curtain wall and window system, and fully compatible SPW600 thermally broken entrance doors. The engineered timber of Hybrid is a perfect match for the timber-clad bullnose pillar, which is a major design feature at the entrance to the building.





Case study | Commercial
**Wakefield Metropolitan
District Council Civic
Offices**

*Hybrid curtain wall
Hybrid windows*

Employees at the new five-storey civic offices of Wakefield Metropolitan Metropolitan District Council have a brighter outlook on the city centre thanks to 2,500m² of glazing.

The building highlights Senior's Hybrid curtain wall and windows set against bespoke picture frame aluminium panels. Open-plan office space, with a central atrium, extensive glazing, external rainscreen cladding and terracotta tiles, completes the design.





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Council for Aluminium
in Building



Enhanced Security Window BS 7950
Certificate Number 068

Aluminium Windows BS 4873
Certificate Number 072

Enhanced Security Doorsets PAS 23 & 24
Certificate Number 088



Introducing our **family** of leading fenestration solutions

Senior Architectural is a major UK supplier of fenestration solutions, specialising in providing aluminium, timber, glass and fibreglass 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.

ALUMINIUM

HYBRID

FIBRE

GLASS



SENIOR ARCHITECTURAL SYSTEMS

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Senior Architectural Systems reserves the right to alter any of the specifications given in this publication without prior notice due to a process of continual development.