

Specify with confidence



➤ Distinctive design, impressive performance, expert support

VELFAC[®]
WINDOWS FOR LIFE

Bringing light into learning spaces at Kingswood Preparatory School and Nursery in Bath, from Stonewood Design.





Design without compromise

Energy efficiency, sustainability, reliability, architectural impact – the brief for any new building is always demanding. Architects must balance the client's performance objectives, budgets and timescales, without compromising the design innovation which can deliver a truly timeless and successful project.

Windows and doors play a crucial role in building performance, and so we understand the challenges architects face. We've worked closely with the designers and developers of some of the UK's most impressive, groundbreaking projects, and in a wide range of sectors including residential, education, health and commercial. In every project, large or small, the VELFAC composite system is chosen for its architectural impact and guaranteed performance, but also for the expertise and support offered by our in-house team.





The slim 54 mm sightlines maximise natural light, and opening and fixed lights have the same sightlines, providing a consistent aesthetic across window units.



Full height windows add drama to Number One, Bristol, a stylish residential development from O'Leary Goss.

Windows for light

We call ourselves 'daylight engineers' for a reason. Slim-framed VELFAC composite windows maximise daylight while minimising the negative impacts of solar gain. Together, this actively improves the indoor climate, supports wellbeing and cuts energy bills by reducing the need for artificial light and heat. Specify bigger windows for even more daylight or

combine units to create dramatic glazed screens or full height window walls, all without compromising thermal efficiency. Inner timber frames, painted to a RAL Classic colour or clear lacquered, further enhance the flow of light.

At Queen Margaret Drive in Glasgow, CDA Architects exploit VELFAC uniform sightlines to create striking facades.





Realise your vision

Be creative, imaginative, even daring. Use the versatile VELFAC system to create multi-window features and inspiring glazed facades. Combine individual units, in an array of different configurations or shapes, to deliver external and internal impact and innovative functionality. Add VELFAC panels – aluminium, enamel glass, laminate boarding or cedar – to add visual interest or texture. Thanks to identical sightlines all VELFAC units whether fixed, opening, manually operated or motorised, provide uniformity enabling precise performance specification without compromising the coherence of the façade.

Find drawings and technical information on product-commercial.velfac.co.uk



Glazed VELFAC entrance screens bring the 'wow' factor to The Paddocks, a luxury residential development from Autograph Homes.



VELFAC windows and panels combine to deliver excellent views and safe ventilation at Copenhagen's Scandic CPH Strandpark hotel, by Schmidt Hammer Lassen Architects.



FOR SALE

Stylish and sophisticated glazing meets visionary architecture



At Ninewells in Cambridge, from house builder Hill and architects PRP, large VELFAC windows increase daylight and deliver impressive insulation.

Sustainability plus weather resistance - key reasons why White Design specified VELFAC for the 360° Observatory at the Cors Dyfi Nature Reserve in Wales.



Sustainable design

Since the VELFAC system was launched in 1985, sustainability has been fundamental to our design philosophy and is the reason why every VELFAC 200 window is 93% reusable. We have always recognised the need to limit our impact on the environment and this is reflected in our choice of material suppliers and manufacturing processes. All our windows feature FSC® certified pine, around 30% of the aluminium

used is recycled, and 95% is produced using hydroelectricity. Slim profiles allow up to 15% more daylight into the interior, reducing dependency on artificial light, and wood treatments are water based. Our manufacturing facilities are also fully ISO 14001 accredited, as is our Environmental Management and Audit System.



'The VELFAC commitment to sustainability, in design, manufacture and performance, was an important benefit and helped Dalston Lane achieve Code 4 for Sustainable Homes standards and also a BREEAM Excellent rating.'

David Lomax, Senior Associate, Waugh Thistleton Architects



Dalston Lane in London, by Waugh Thistleton Architects - one of the world's tallest CLT buildings with VELFAC windows specified for performance, design and sustainability.





Achieve the ideal indoor climate

A good indoor climate, vital for health, wellbeing, and productivity, results from the optimal combination of temperature, ventilation, daylight and acoustic insulation. Since 2000 VELFAC windows and doors have carried the Indoor Climate Label, evidence that our products can make a positive contribution to a good indoor climate as soon as they are installed. Features such as slim frames, low U-values and options for solar control all support the delivery of comfortable, draught free environments, all year round. Ventilation strategies can be passive, manual or sensor controlled and help to maximise air quality and minimise condensation. Specialist glazing can also provide excellent acoustic control, with acoustically attenuated trickle vents enabling the perfect balance of noise reduction and background ventilation.



'As north facing blocks border a high-speed railway line, for example, triple glazing with acoustic trickle vents was required. South-facing facades are quieter but as solar gain can be an issue we installed double glazing with a wider gap between panes, which helps minimise overheating. All this was achieved with very little visible difference, externally, between units because of the VELFAC system's uniform sightlines.'

Ewan Proctor-Mason, architect, HAUS

Large windows and glazed sliding doors increase daylighting at Lewiston Mill, a development of luxury houses and apartments from residential developer Colburn.



VELFAC windows met 14 different specifications to help deliver the ideal indoor climate at Westwood Mews, high quality student accommodation from HAUS architects.





'Affordable housing is an architectural challenge due to the necessary budget restrictions. We have attempted to mobilize modular construction with modest materials to create generous living spaces at the urban as well as the residential scale.'

Bjarke Ingels, Founding Partner, BIG





Bjarke Ingels Group used full height VELFAC screens to bring 'transparency' to Dortheavej, a development of 66 affordable homes in Copenhagen.

Cost-effective lifetime performance

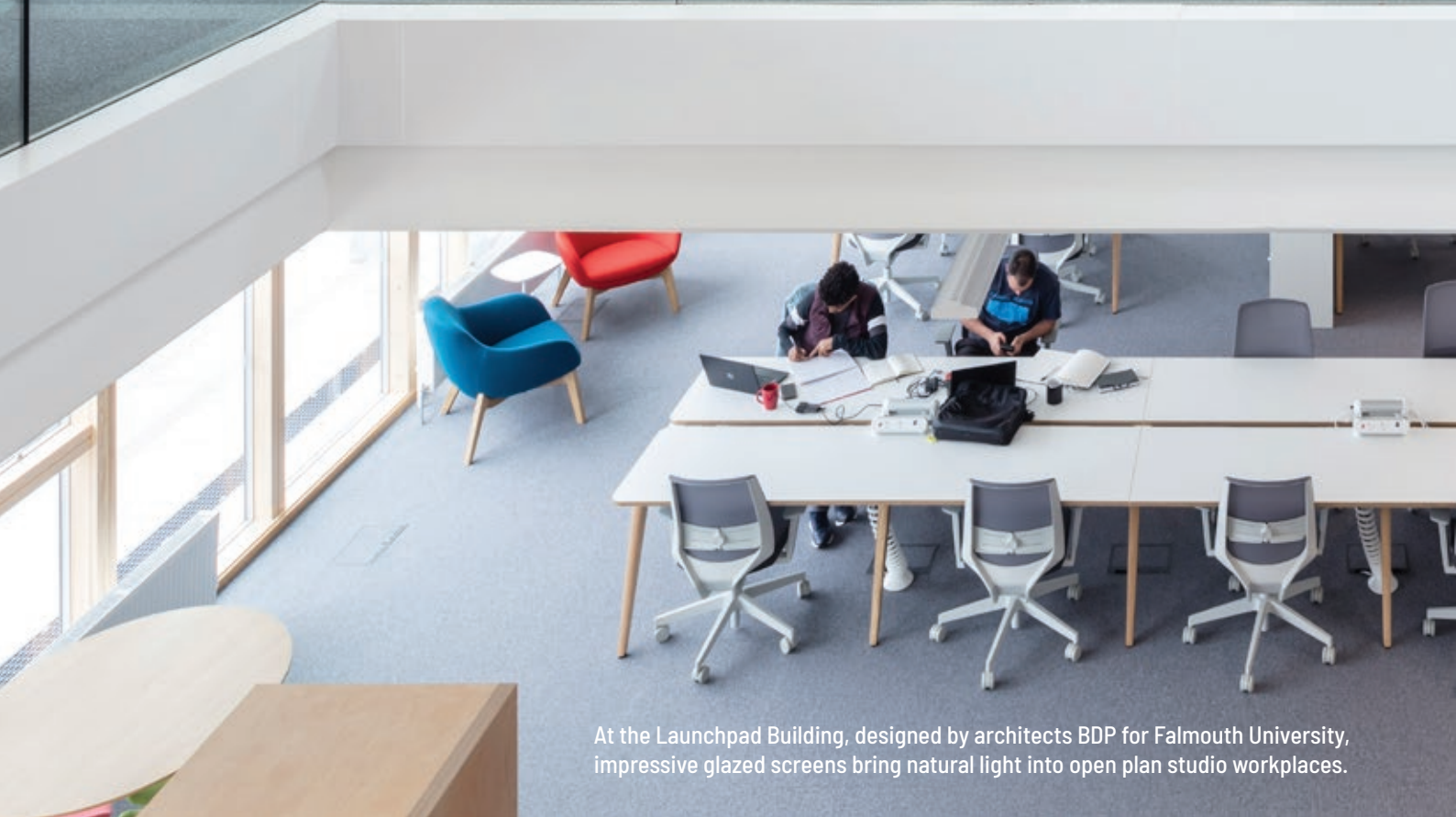
'Affordable' and 'quality' are not mutually exclusive when considering the benefits of high-performance glazing. VELFAC durability, longevity and reliability are all qualities which translate into long term cost savings. For example, our system has regulatory compliance built-in, and comes with test evidence ready for review, which can speed up project sign off and minimise the risk of costly remedial work. Our composite frame construction can dramatically reduce repair, replacement and maintenance budgets. External aluminium frames never need repainting for the lifetime of the installation, while inner timber is easy to maintain. We are so confident of the durability of our system that we offer a comprehensive 12 year warranty on all windows, and five years on casement, sliding, external and bi-fold doors.





'It's a quality product that comes with guarantees and test certification already in place. The VELFAC team also provides detailed interface drawings which are a real advantage for us, and not something supplied by every supplier.'

Matthew Mayes, Architect, BDP



At the Launchpad Building, designed by architects BDP for Falmouth University, impressive glazed screens bring natural light into open plan studio workplaces.



360° Consultancy – expert support at every project stage

Specifying high performance glazing demands architectural, product and sector expertise to avoid design compromise and minimise the risk of non-compliance, and budget overruns. To support the specification process our in-house industry experts offer 360° consultancy at every project stage, including:

- **Early engagement** to identify the windows and doors best placed to deliver design vision, and meet performance and budget targets.
- **Long term, proactive support** from initial ideas to post-installation, including cost consultancy, acoustic design, and guidance on sustainability targets and indoor climate.
- **Façade-specific specification support** to ensure compliance with building regulations and standards such as Secured By Design, achievable cleaning and ventilation strategies, and improved budget control and scheduling.
- **Expert installation advice**, on overall installation strategy and on requirements such as structural support, specialist installation equipment and any site access challenges.
- **Technical design support** from pre-tender stage, including window interface detail development, structural calculations, and design drawing packages, to ensure accurate specifications and the calculations required for regulatory compliance.

About VELFAC



VELFAC is the UK's leading brand of composite windows and doors. The brand is owned by DOVISTA UK, part of the worldwide VKR Holding group of companies (which includes sister company VELUX) that supplies materials designed to bring daylight, fresh air and a better environment into people's everyday lives.

We have a 'model company' philosophy - to be a company which works with products useful to society and which treats its employees, customers, suppliers and shareholders 'better than most other companies'. This commitment was first made by our Group founder - VK Rasmussen - in 1965, and has guided our development ever since. As a result we are deeply committed to staff development, invest significantly in innovation, and run a rigorous testing programme, to make sure that our products are the best they can be. We are also committed to corporate social responsibility, and in 2016 VKR Holding joined the UN Global Compact.

We believe in contributing to the societies in which we operate. Since 1971, our VILLUM Foundation has supported technical and scientific research, and also funded environmental, social and cultural projects around the world. Our Employee Foundation also provides grants for a range of employee and community projects.



For enquiries and technical advice, get in touch:

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VELFAC windows and patio doors are a feature of all 52 apartments at Perigon Heights, a luxury residential block from developer Purelake.



“VELFAC is our ‘go to supplier’ when it comes to glazing. We have always been impressed by the quality of the product and the level of technical support, and we also know that VELFAC windows and doors are very durable.”
Noel Convert, Construction Director,
The Purelake Group



Secured by Design



Official Police Security Initiative



The mark of responsible forestry
FSC® C101947

Please ask for our FSC®-certified products.

VELFAC

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