

# ClearThinking

Leading the way in glass partitioning systems

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# Contents



# We are **Optima.**

Optima is defined by two things:  
products and people. Together, leading  
the way in glass partitioning systems.

Our premium, award-winning range is designed and manufactured at our five-acre site in Bath. It's here, and at our head office in High Wycombe, that you'll find a team of dedicated technical designers, product specialists and support staff. These are the company's backbone; the people you can count on to understand your industry, your challenges, your requirements. They're people who'll remember your name. They'll remember your conversations, your projects, your favourite restaurant - because that's the way they are. It's the way we are.

We could go on and you would find in our words all the passion you'd expect from a company at the top of its game.

Put simply: We're innovators who never stop looking for better ways of doing what we do. Design is everything.

Our products have a purpose and they deliver benefits. They're visually and technically impressive. Creatively conceived, beautifully crafted, brimming with capability and functionality. It's a powerful combination.

You're looking for solutions; we're driven by them. Projects are a collaboration between our team and yours. This works because we're as committed as you are to delivering exceptional results. That's what makes us us.

## Optima national

Our site in Bath is the hub that feeds our network of Optima installation partners across the UK. These partners share our commitment and our passion. We know this because we select them carefully and we invest in developing their individual and collective expertise. It means that every Optima system, everywhere, is handled and installed with the same impeccable care and precision.

## Optima international

We're proud to be the company chosen by specifiers all around the world, from Europe to the Middle East to Australia. Working alongside some of the leading names in commercial interior design, we invest in our international partnerships in places like Singapore, Indonesia and Hong Kong, as our global expansion continues.



# The added dimension

At Optima we have an eye for innovation. We like progress. We'll run with developments that improve not just what we do, but how we do it.

The greatest of these in design terms is Building Information Modelling (BIM). You'll know about it; it's been around for years. The construction industry routinely produces these intricate three-dimensional design tools, but it's yet to take off in glass partitioning. We and our clients know that it's the future.

That's why we have developed our own systems in 3D, using Revit as our platform. It enables clients to see a partition's angles, its configurations and its finish in impeccable detail, long before the product is crafted and installed. We chose Revit as our software; we wanted the flexibility to design something that really suits our clients, and we have.

Some ask us to develop or update their initial designs, taking them to a 3D level. Other clients rely on our in-house design team to come up with new ideas and to present these in a way that's easy for the end-user to understand. Building Information Modelling enables us to do this and much more.

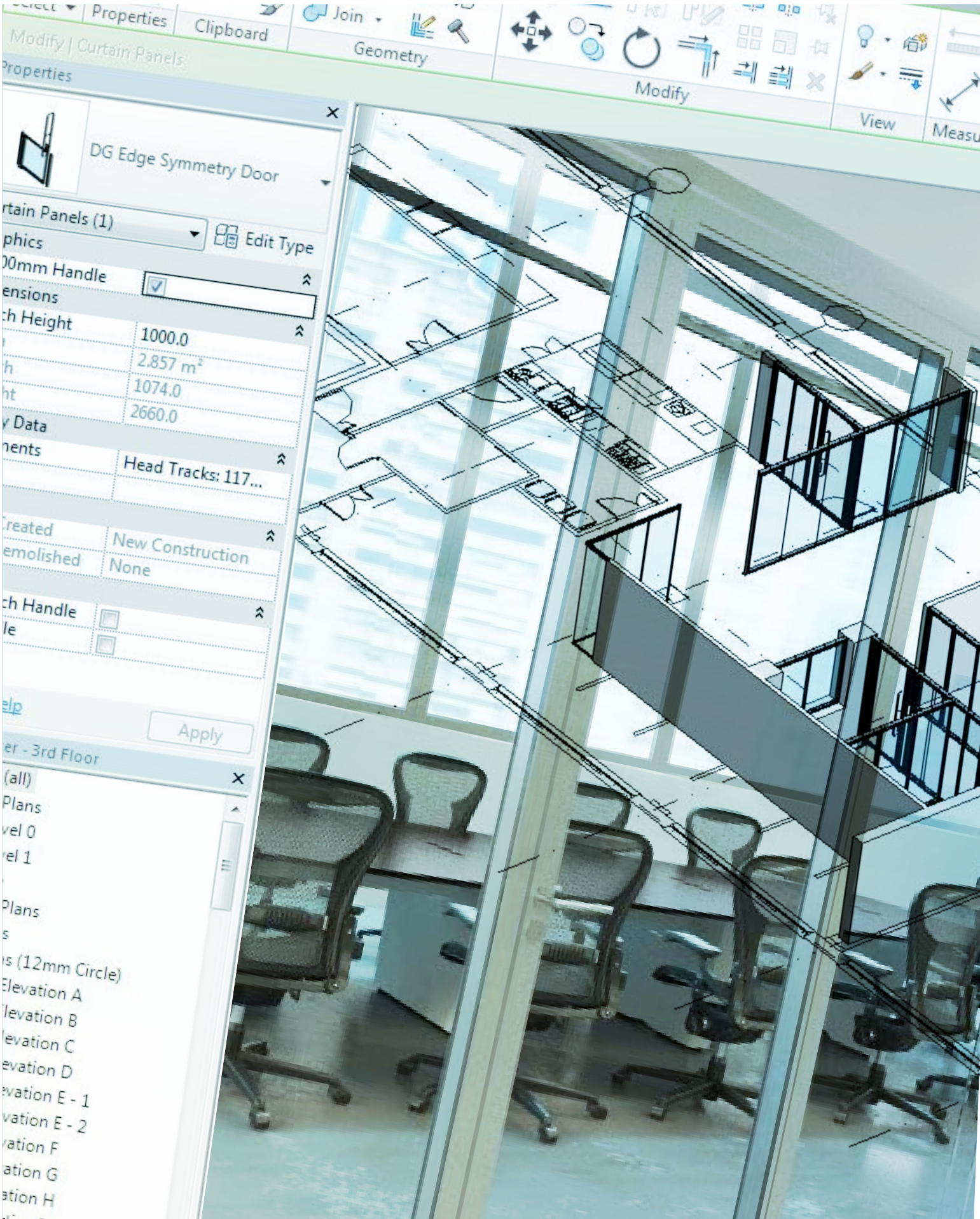
It's not just about representing a new type of visual image. Each 3D model is a modern-day data file with intelligent properties, full of technical information about multiple aspects of a project. Hover your cursor over the 3D object and you'll instantly see the location within the project, acoustic and fire rating data, materials and manufacturer, as well as a URL link to the product website. Having the 3D representation also enables you to combine the multiple models, allowing for clash detection and visualisation of the product within the interior as a whole.

The model and the information it contains makes designing, planning and delivering projects more efficient. Through the BIM process potential problems such as difficult interfaces between trades are quickly highlighted and can be addressed early on. Then there's the ease with which designs can be adapted with just a few clicks of a mouse. It's a process that enables clients to try out options like an adapted layout or a different wall panel/door combination in a more cost-effective manner.

As a project advances, the more expensive it becomes to make design alterations. This is borne out every day, everywhere, in the search for the perfect architectural result. Building Information Modelling is the antidote to escalating costs. It enables the early elimination of uncertainty about whether or not a partition will work in a space, whether it will blend with its surroundings, whether it is ultimately what the end-user is looking for.

We're proud to have seized the opportunity to be at the forefront of BIM in glass partitioning.

Through this we are enabling architects, contractors and specifiers to deliver high performance solutions with even greater ease than ever before.







Photography by Gareth Gardner

## Thinking Acoustics

# Sound work from Optima

We've come a long way in the last 20 years.  
Our clients have too.

And so have workspaces. Today's offices demand more. More design, more functionality, more appeal. At Optima, we're delivering glass partitioning systems which meet the toughest specifications head-on. We're making meeting rooms out of confined spaces. We're designing creative configurations. We're making sure that our glass partitions are the most effective sound barriers around.

We invest a lot of time and expertise in acoustics and it's paying off. The advancements we've made have earned us a strong national and international reputation. We're known as the company that really understands the needs of modern offices, not least those for which privacy and confidentiality are the cornerstone of their operation.

Our partitions are embedded with some of the most advanced sound-proofing technology around. It's the result of intensive design work by our in-house team of product designers, supported by the independent tests carried out by acousticians at some of the UK's leading UKAS-accredited sound laboratories.

Testing is a rigorous process and we wouldn't have it any other way. It all happens within purpose-built chambers under carefully controlled conditions. The glass partition or door sample is placed in a testing aperture which sits between two acoustically isolated rooms – the source room and the receiving room. White noise is transmitted through the partition and data is collected in the receiving chamber.

The product's airborne sound insulating properties are tested and the results pinpoint acoustic competence. It's a very accurate process; far more reliable than predictive software products that are available to companies like ours. We know from our tests that factors like peripheral elements of a partition – framework and intermediate glass joints – will have been included in the test outcome. We're confident, then, that the acoustic performance is being properly and thoroughly measured and recorded before our products are marketed. This sort of testing doesn't just happen once. We re-test

and adjust our products as part of our commitment to improvement and innovation. Our latest range of glass doors is testament to this. Symmetry, Affinity and Amity offer our best acoustic standards yet. They perform so well because there is no acoustic weak point and that is what really sets these products apart from those of our competitors. Doors have traditionally been the Achilles' heel in any glass partition. They have always had a negative impact on overall audio performance because it is so difficult to effectively seal a closed door.

**Until now. Optima engineers have found a way of minimising the loss of sound insulation to such a degree that our doors are virtually on a par in acoustic performance with our partitions. It's a real step forward in glass partitioning developments.**

This is against the backdrop of our unique, market-leading product design which applies to our entire portfolio of partitions. Our glass fits so neatly within its frame that sound insulation is at its optimum for this sort of structure. Take our Revolution 54 system. Its double glazed structure offers maximum acoustic performance despite its slim-line appearance. That's because of our investment in ensuring that every aspect of our systems plays its part in making Optima partitions the best acoustic performers there are.





Photography by Tim Crocker

## Case Study

### Markel International

**20 Fenchurch Street, London. Levels 25, 26 and 27**  
Architect: **EDGE Architecture + Design**  
QS: **Bigham Anderson Ptp**  
Main Contractor: **Paragon (An Interserve Company)**

Markel International is a specialist insurer with worldwide operations. The company commissioned the major design of its new international headquarters at 20 Fenchurch Street, one of the most impressive commercial skyscrapers in London. It's nicknamed the Walkie Talkie because of its distinctive shape.

Our glazed screens are now part of the internal fabric of this building. They've made meeting rooms and offices out of open spaces across three floors. It's all part of a stunning design by Edge Architecture + Design that positions the clean lines of our fire rated screens alongside a lavish gold, silver and bronze staircase.

#### Products Installed:

Revolution double glazing with flush bonded double glazed pocket sliding doors

Optima 117 plus single glazing with timber doors and frames and room booking panels

Single glazed lift lobby doors with top and bottom rails

Single glazed fire rated screen and doors to staircase area

Revolution double glazed privacy glass with timber frame and timber doors to executive area

Revolution clerestory glazing

Telescopic pocket doors to lift lobby on level 27





Photography by Gareth Gardner

## Case Study Yum!

**Orion Gate, Woking. Ground, 3rd, 4th and 5th floors**  
Architect: **John Robertson Architects**  
QS: **PierceHill**  
Project Manager: **HUSH**  
Main Contractor: **Parkeray**

Yum! is one of the world's largest restaurant companies, operating in more than 125 countries and territories. The business has over 41,000 restaurants and a portfolio of names that includes KFC, Pizza Hut and Taco Bell. This 50,000 sq ft office development in central Woking focused on integrating brands, and consolidating staff from across Yum! in one building. Our glazed partitions and doors were chosen by project architect John Robertson to create meeting rooms on the ground floor and offices across the upper floors. The end result is a creative and inspiring workspace.

**Products Installed:**  
Revolution double glazing with double glazed Edge doors to form meeting rooms on the Ground floor  
Kinetic Align sliding glass doors with single glazing on the upper floors





## Case Study Google

**Google Docks Building, Dublin**  
**Ground - 7th floor and 10th - 13th floor**  
Architect: **Henry J Lyons**  
QS: **Gardiner & Theobald**  
Main Contractor: **Walls to Workstations**

Our contracting partner in Ireland, Walls to Workstations, installed our glass partitions across twelve floors in Dublin's tallest commercial office construction: the Google Docks building in Barrow Street. Each floor was carefully designed to have a unique theme and identity.

It was a challenging fit-out. Creating the informal breakout areas and meeting rooms involved plenty of logistical issues, especially as Google already occupied two floors in the middle of the building. The architect's vision for the internal cellular spaces was a 'box within a box' effect. Walls to Workstations worked closely with Henry J Lyons to design a goalpost construction system in which no visible support was provided from the exposed structural ceilings.

### Products Installed:

Meeting rooms formed using curved Revolution double glazing and single glazed doors in Microflush aluminium door frames

Revolution 54 single glazed screens to form informal break-out areas and meeting rooms



# Optima Product Range

## Bespoke

## Single glazing

Optima 117 plus

## Double glazing

Optima 217 plus  
Revolution 54  
Revolution 100

## Modular

Futurewall

## Fire Rated

Technishield 25  
Technishield 50  
Technishield 54  
Technishield 65

## Doors

Sliding Doors - Kinetic Series  
Framed Glass Doors - Edge Series  
Frameless Glass Doors - Axile Series





## Bespoke

At Optima we understand that every client, every design scheme and every project is unique. We like a challenge. We like our design capabilities to be tested. We are driven by innovation and we love working closely with clients to turn design aspirations into reality; creating truly individual workspaces that work, on every level.





## Optima 117 plus

Optima 117 plus is an elegant, single glazed partition system. It makes beautiful private rooms out of open spaces.

This product has wide and long-lasting appeal and it's easy to understand why. The unique combination of dry-glaze gaskets makes Optima 117 plus quick and easy to install, without compromising on durability, aesthetics or acoustic performance. The incorporation of extruded aluminium deflection heads make the system an ideal solution for the modern office building, where high levels of deflection are common.

Add to this the distinctive integral door frame which enables a flush fit with either timber door leaves or with Optima's range of glazed doors. The result is a flexible, high-performing system which opens up numerous design possibilities.



## Optima 217 plus

Optima 217 plus offers a range of double glazing configurations within a single slimline system. Different thicknesses of glass can be accommodated to deliver a solution that meets your acoustic specification and your budget.



With the option to fit integral blinds, Optima 217 plus is a popular choice for meeting rooms that require a level of privacy. The system is cleverly engineered to incorporate an integral door jamb and head, so there is no need to install a complete door frame.

The flexibility of Optima 217 plus ensures that the system can be customised to suit different performance criteria across the workspace, without altering the visual appearance.





## Revolution 54

Revolution 54 is one of our most popular systems. This is because of its outstanding acoustic performance, aesthetic appeal and adaptability.

There are two design options, distinguished by the height of their frame. Each integrates seamlessly with generic drywall because of our unique tapeable glazing bar. This makes Revolution 54 an ideal solution for glazed fins or clerestory glazing, where acoustic performance and design aesthetics cannot be compromised.

But there's more to Revolution 54 than meets the eye. The glazing easily converts from single to double glazing, or vice versa. This flexible technology has helped to establish this system as a market-leading product.



## Revolution 100

Revolution 100 is our latest innovation and is the result of a thorough and detailed design development process.

This stunning new, dry-jointed partition system offers a smooth, accurate operation and maintenance-free lifetime. It is available in single or double glazing, or a combination of both, and achieves outstanding acoustic ratings, comparable to blockwork partitions.

The system can accommodate glazed and solid door sets from our standard range. It also has its own range of specially designed high acoustic doors. The Elite Symmetry 100 door is a 100mm deep pivoting door offering maximum sound-proofing, while the Elite Aspire and Elite Enhanced pocket sliding doors are perfect for confined spaces.







## Futurewall

Futurewall is a versatile, demountable, modular bi-panel system.

Panels can be hung vertically or horizontally, quickly and easily, to sub-divide office spaces. The system offers plenty of scope to create functional backdrops that support height adjustable shelving, cantilevered desks, or storage options.

Futurewall is available in a range of finishes including laminate, melamine, pinnable fabric, veneer, whiteboard, vinyl and powder coated steel. Whatever the specification, Futurewall can be fully integrated with any of Optima's glass partitioning systems.





## Technishield

Technishield is a family of fire resistant glazed screens and doors. It supplements the full range of Optima partitions. There are four design variations to suit different fire ratings. Technishield 25 and Technishield 54 each achieve 30 minutes integrity and insulation and the accompanying door set achieves 30 minutes integrity. Technishield 50 can achieve up to 60 minutes integrity, as can the door set. For design schemes where a higher fire rating is required, Technishield 65 can offer a glass screen and door solution of up to 60 minutes integrity and insulation.

Unlike traditional fire screens, Technishield 25 and Technishield 54 have been carefully designed to be as subtle as possible in appearance. They don't require heavy framework and blend well with other Optima systems. As a standalone screen, Technishield 25 has a common appearance with Optima 117 plus. Technishield 54 can integrate seamlessly into a scheme where Revolution 54 is specified.

The Technishield door set that is used in these systems offers exactly the same appearance as the equivalent non fire rated frameless door leaf in the Revolution 54 system.

This extensive range of fire rated partitions and doors delivers the high-performing solutions that meet the visual and practical demands of modern office design.

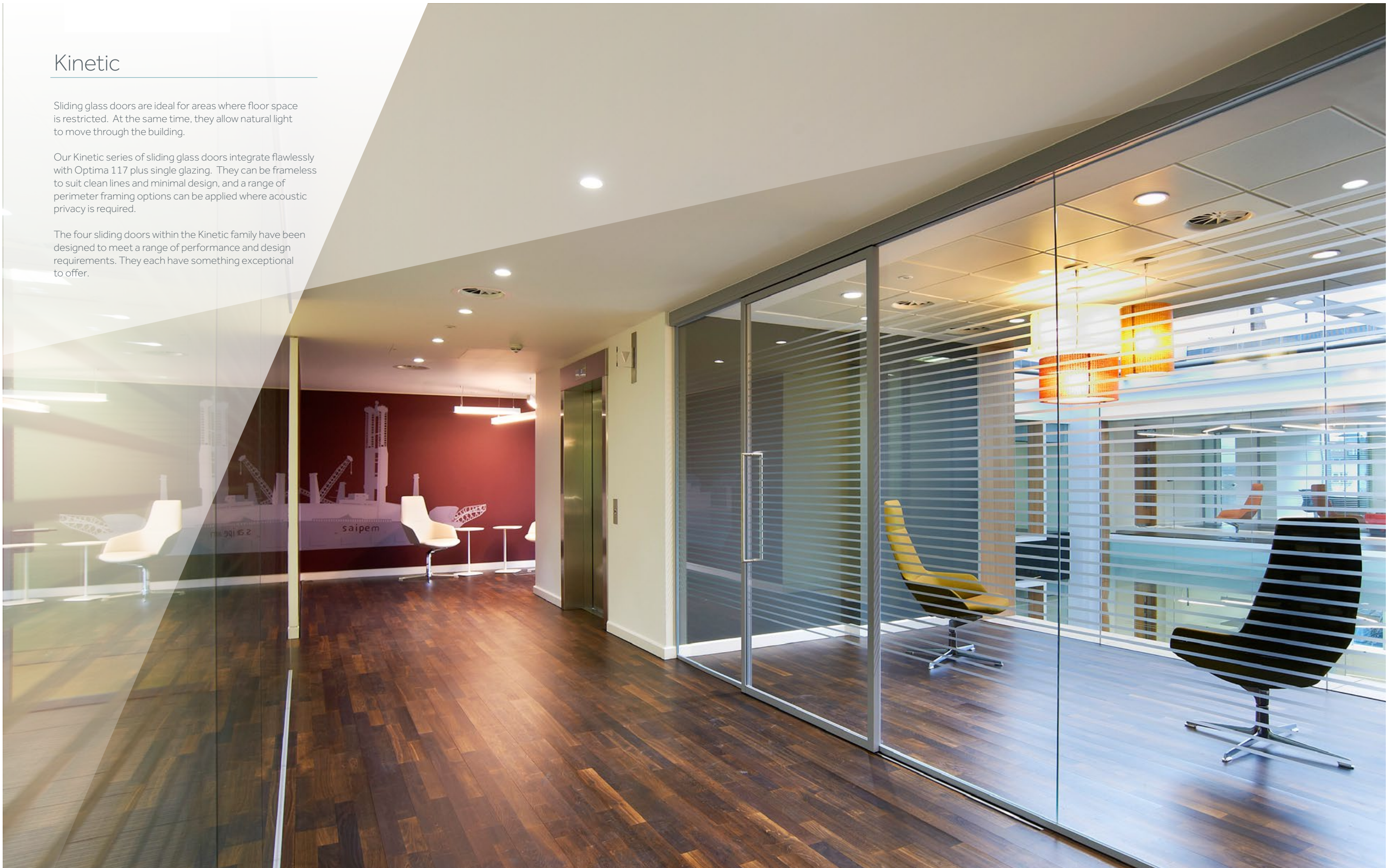


## Kinetic

Sliding glass doors are ideal for areas where floor space is restricted. At the same time, they allow natural light to move through the building.

Our Kinetic series of sliding glass doors integrate flawlessly with Optima 117 plus single glazing. They can be frameless to suit clean lines and minimal design, and a range of perimeter framing options can be applied where acoustic privacy is required.

The four sliding doors within the Kinetic family have been designed to meet a range of performance and design requirements. They each have something exceptional to offer.







Photography by Nick Miners

# Doors

An extensive range of Optima doors complements the look, feel and performance of our partitioning systems. Glass, timber, hinged, pivoting. There are options to suit every design in any office space.

Sliding Doors - Kinetic Series, Pocket Sliding Doors



Frameless Glass Doors - Axile Series, Axile - Pulse Door



Framed Glass Doors - Edge Series, Edge-Symmetry Door

Doors are notoriously difficult to seal and have traditionally been a weak point in any partition, but our Edge range of framed doors outperform others on the market, not just in the way they look or in the quality of their components. Their acoustic performance is second to none. That's because at Optima, we have designed a way of substantially reducing the loss of sound insulation through the door. Our unique design means that doors need no longer be accepted as an unavoidable weak point.



# Policies

## Quality

We are market-leaders because of our commitment to quality.

Our products are manufactured at our five-acre facility in Radstock near Bath. It's all done in accordance with the stringent ISO BS EN 9001:2008 Quality Assurance standard. Each stage of the manufacturing process is subject to strict quality control tests, and our products are put through their paces at every opportunity. It's to make sure they meet the highest performance standards and that we can be confident in what we're supplying.

We're determined to be the best. We want our products and our service to hit the mark, so we invest in making sure they do. Our super-skilled team of people is backed up by vast in-house resources, all geared up to delivering the best customer experience from design to implementation and well beyond.

This commitment to quality is more than a statement; it's a hard fact, supported by an array of prestigious industry awards for outstanding installations. We are members of the FIS - an organisation that speaks with one strong voice for the finishes and interiors sector and which drives standards high, encouraging pride in the quality of members' work.

## Environmental

Our environment is important to us. Locally, nationally, globally.

Complying with environmental regulation is just the first step. We build our wider respect for the environment into everything we do, from the materials we use, to the waste we generate, to the processes that drive our business.

Through our specially designed Environmental Management System we minimise the use of utilities and materials and we use recycled materials as much as possible. Each of our products comes with a sustainability statement; we think we're the only manufacturer in our sector that offers this information. We're careful about how we deal with the things we don't need, reusing and recycling wherever we can. And we only work with suppliers who share our approach to environmental responsibility.

This has all led to both our factory and our head office securing the highest level of environmental accreditation. We're proud to be recognised for our standards and for the investment we've made in introducing improvements throughout our manufacturing process.

It's an evolving picture. Our team is always looking for better ways of doing things, because part of valuing and preserving what's around us is knowing that we mustn't stand still.

## Health and Safety

We wouldn't be the successful company we are without our meticulous approach to health and safety. It's something we take extremely seriously and which pervades every part of our operation.

Within our team is an experienced HSQE Manager who looks after the health, safety and welfare of our employees. We also have strict measures in place to meet our responsibilities to people outside our business who may be affected by our activities. These measures include checks and monitoring of our sub-contractors to make sure that their own health and safety procedures meet the standards we expect.

Our commitment to health and safety has led to an internationally recognised accolade: the prestigious Gold Award in the RoSPA Occupational Health and Safety Awards 2015. It's an huge achievement and the award takes pride of place in our head office.

## Accreditations

Our customers recognise our excellent track record. We have a great selection of official accreditations too:

- BS EN ISO 9001:2008 Quality Assurance Standard
- BS EN ISO 14001:2004 Environmental Management System
- CHAS (The Contractors Health and Safety Assessment Scheme)
- Achilles (Building Confidence)
- Safe Contractor





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