

radiiag.com

ARCHITECTURAL GLASS







Radii AG is the specialist division of Radii Planet Group, one of the UK's largest premium partitioning and architectural glazing groups, with the aim of becoming an international leader in glass based construction solutions. With over £50m turnover, we have the capabilities, scale and financial capacity to be the ideal partner for our suppliers and customers.

The formation of Radii Planet Group brings together two of the UK's leading interior glazing contractors and has enabled the businesses to share expertise, unlock group synergies and continue to operate independently in our chosen markets, which we have been servicing for up to 40 years.

A key area of focus was targeted towards our specialist architectural glass divisions, which have successfully delivered prestigious projects in all types of building environments for many years. Drawing expertise from both Planet and Radii divisions, we have formed a dedicated Architectural Glazing division, with the clear objective of providing the best service, product and experience for our valued customers.

RADII AG has an extensive track record working with leading Main Contractors and Architects offering comprehensive design and installation of both proprietary and bespoke atrium glazing systems and other structural glass solutions. The division benefits from cutting edge in-house technical and manufacturing capabilities at our Sussex based facility, enabling the processing of glass panels and fabrication of metal and aluminium profiles for our projects - ensuring that our materials always meet the exacting standards that are required.

In addition, RADII AG will promote our new in-house range of ARC fire rated door and screen solutions, which have been extensively tested to EN standards, up to Ei90 fire rating.













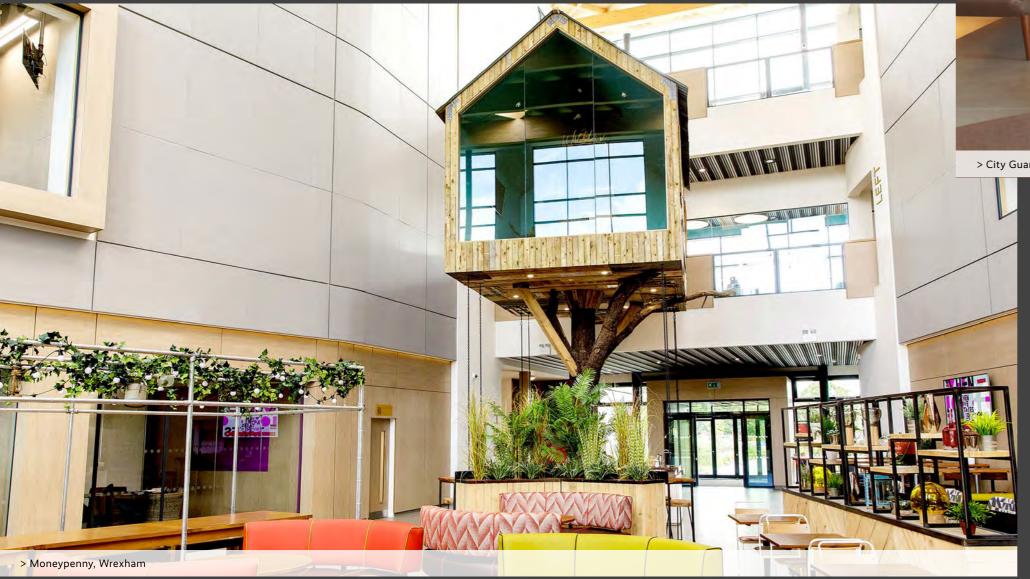




OUR APPROACH

A Tailored Response to Your Brief

At Radii AG, we recognise that each bespoke project comes with a set of unique challenges and designs. Our team has a wealth of experience in the design and installation of glass. Supported by our in-house design department, they can work with you on the most visionary and dynamic of projects. Our managed approach guarantees the smooth running of your project throughout the design and installation process.





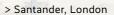
Design

Radii AG employ technical managers to assist with all bespoke projects, from the initial concept stage, through to preparation of full working drawings. Our design led solutions consider glass as a building material with known properties, rather than a standard product. There will always be a number of technical solutions to meet the designer's vision and our mission is to develop the design into a working solution that satisfies everyone and is delivered within budget. Our design team use BIM modelling and 3D printing to help the client envisage the completed design.

Technical and Commercial Support

Radii AG has extensive experience of working with glass and is aware of its strengths and limitations. To ensure we keep your structure safe and functioning at its optimum level, we provide both pre-tender technical assistance as well as ongoing support throughout the project. Our services include NBS specification writing, structural analysis and technical support.







> 246 High Holborn, London

Project Management

Radii AG has a dedicated contracts team to ensure the continuity and smooth running of projects. This team includes our in-house Health & Safety Director, Project Managers, Site Managers and internal Project Co-Ordinators. Our project management teams are always available to discuss projects in depth, at any stage of the process. We will provide main contractors with all of the necessary project specific documentation and procurement materials from our approved supply chain.



Meeting our Responsibilities

Radii AG assure its staff and customers the best possible health and safety care, whilst fulfilling our corporate responsibility obligations. Our Company's CRS policy outlines the principles encompassed in all areas of our operations.

Employees are provided with the training and support they need to realise their potential and, in turn, they adhere to our codes of conduct. We maintain the highest standards of integrity; are committed to providing safe, value for money, high quality, consistent, accessible and reliable products and services to our customers. The policy also details employment guidelines and benefits, including equal opportunities and diversity, and our commitment to adhering to the relevant codes of corporate governance and international standards.

Of paramount importance to Radii AG is wellbeing and safety. The general wellbeing, health and safety of our employees and customers underpins all operations. This is based on the principle that any incident or injury can be prevented. In practice, Radii AG is dedicated to eliminating accidents by setting clear guidelines to all staff and sub-contractors.

Nine key safety principles are included in the policy including: directions on the wearing of personal protective clothing, the use of tools and equipment, manual lifting and obeying directions from Managers. Radii AG's Health & Safety Director will, alongside his fellow Board Members, periodically review these practices.



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OUR SERVICES

The term 'Architectural Glass' covers any situation where the specifier's requirements go beyond the brief of the standard partitioning range. Radii AG can provide a variety of design options, from atrium glazing to glass floors. If you are looking for a truly bespoke solution, please do not hesitate to get in touch.

Radii AG use glass as a building 'material', as opposed to a 'product', allowing a bespoke specification. This is especially relevant when using glass structurally, and then combining architectural conformance for acoustics, aesthetics, atria and fire performance. There are times when all of the above become necessary.

Importantly, Radii AG assess the glass stress generated under applied loads, as it is our policy to avoid the use of thermally toughened glass, which can be prone to damage caused by Nickel Sulphide Inclusions ('NiS'). Typically, atria glass, partitioning screens and glass floors can be designed using annealed laminated glass or heat strengthened laminated glass, where both these alternatives avoid the potential for NiS failure. If toughened glass cannot be avoided, where loaded stress is high (bolted glass for example), then it is our policy to promote 'heat soak tested' glass to minimise the risk of failure.

Lift Lobbies

Radii AG has developed and designed numerous solutions that offer decorative and fire rated enclosures. These can also include ARC Doorsets and Sidescreens achieving up to Ei90 fire performance.

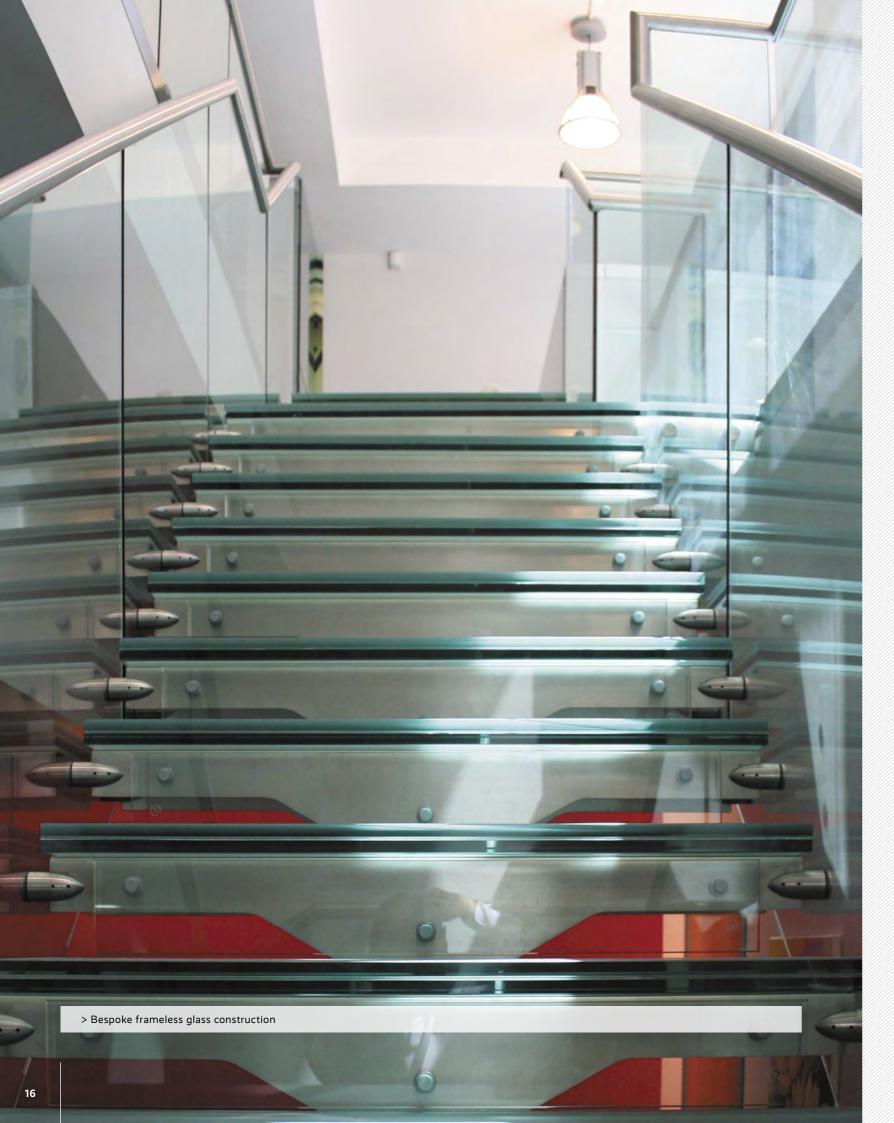


> Atriums bring light to a commercial environment

Atrium Glazing

Glass in any atrium will be specified to meet 'design intent' whilst also being performance compliant. In most cases, the glass will need to provide 'containment' (as determined by BS6180, guarding), as well as ensuring fire resistance and acoustic performance. Structural deflection is also taken into account.

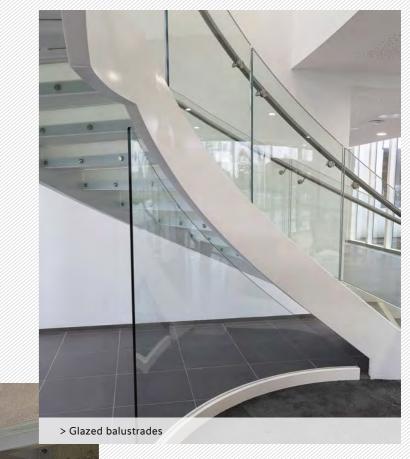
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Glass Stairs and Balustrades

Radii AG can provide both glass stairs and balustrades for any location. Glass is an impressively strong material; a cantilevered glass balustrade can sustain a line load of 3kN/m without the use of ancillary steel posts, with glass stairs being totally variable; some being 'all glass' whilst others have steel support frames with glass landing and treads.

Talk to us about your design requirements and how to employ the full use of structural laminated glass floor technology.



Bolt Fixed Glass

Primary support structures include glass fins, mild or stainless steel mullions. We are specialists in the supply and installation of SGG Spider and Litewall system. Where fully frameless solutions are required, countersunk flush stainless steel bolted solutions are often the way to achieve the aesthetics required.

> Stainless steel bolt fixed glass

Glass Wall Cladding

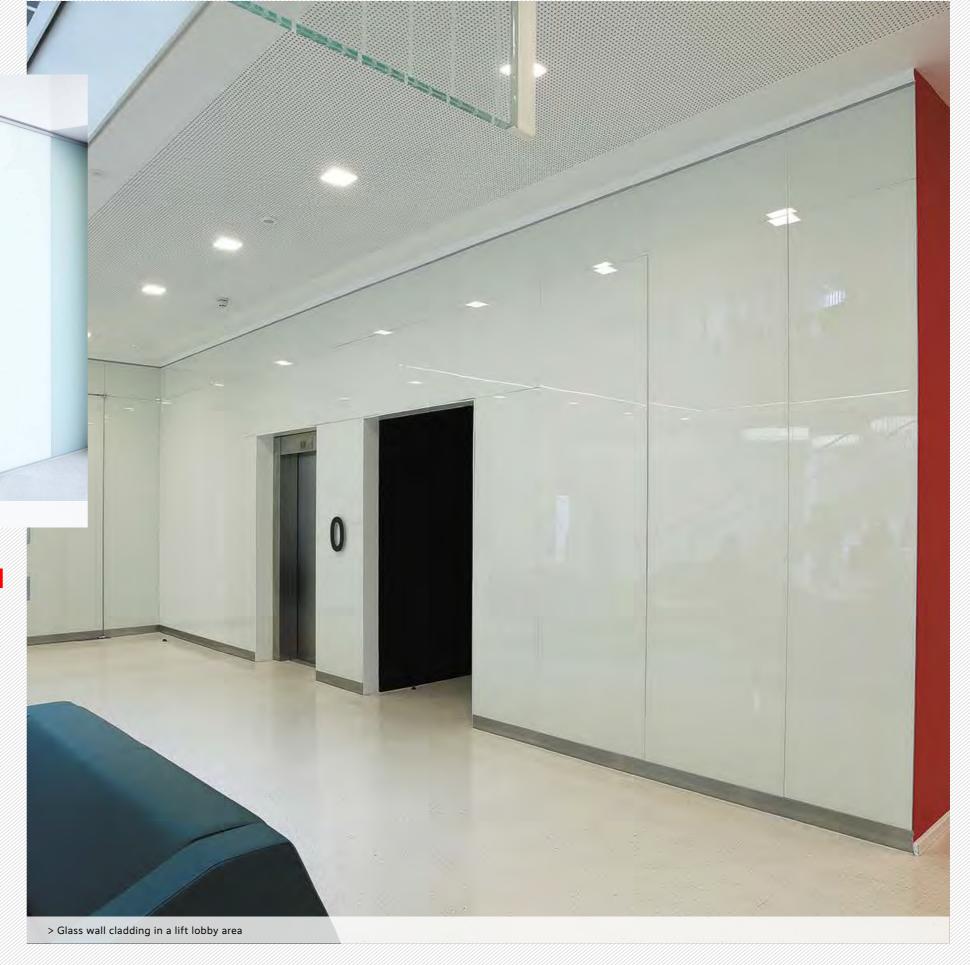
The variety of finishes and details allow a totally bespoke look to any lobby, atrium, reception area or interior façade. Back painted glass, combined with coloured laminates, can provide an infinite choice of interior design possibilities. Incorporating steel panels can also offer the use of magnets on glass.

> Utilise natural light with glass floor tiles



External glazing/retail

work with your design to arrive at solution. Glass thicknesses depend on such things as the clear span, the type of edge support and the design (BS6399) Top and bottom surfaces can be clear, sand blasted, fritted or have a variety of options, to arrive at the right design solution.



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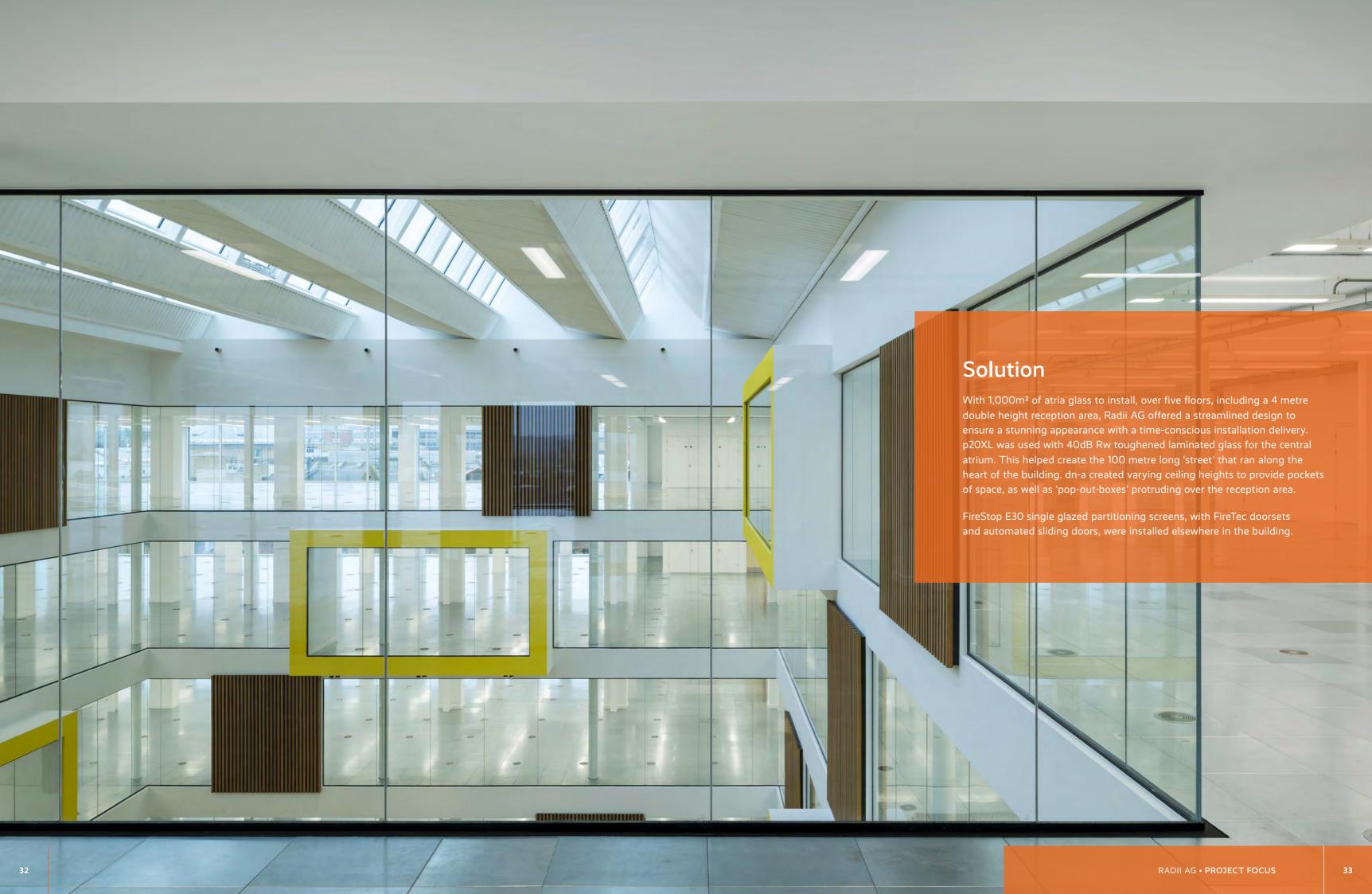


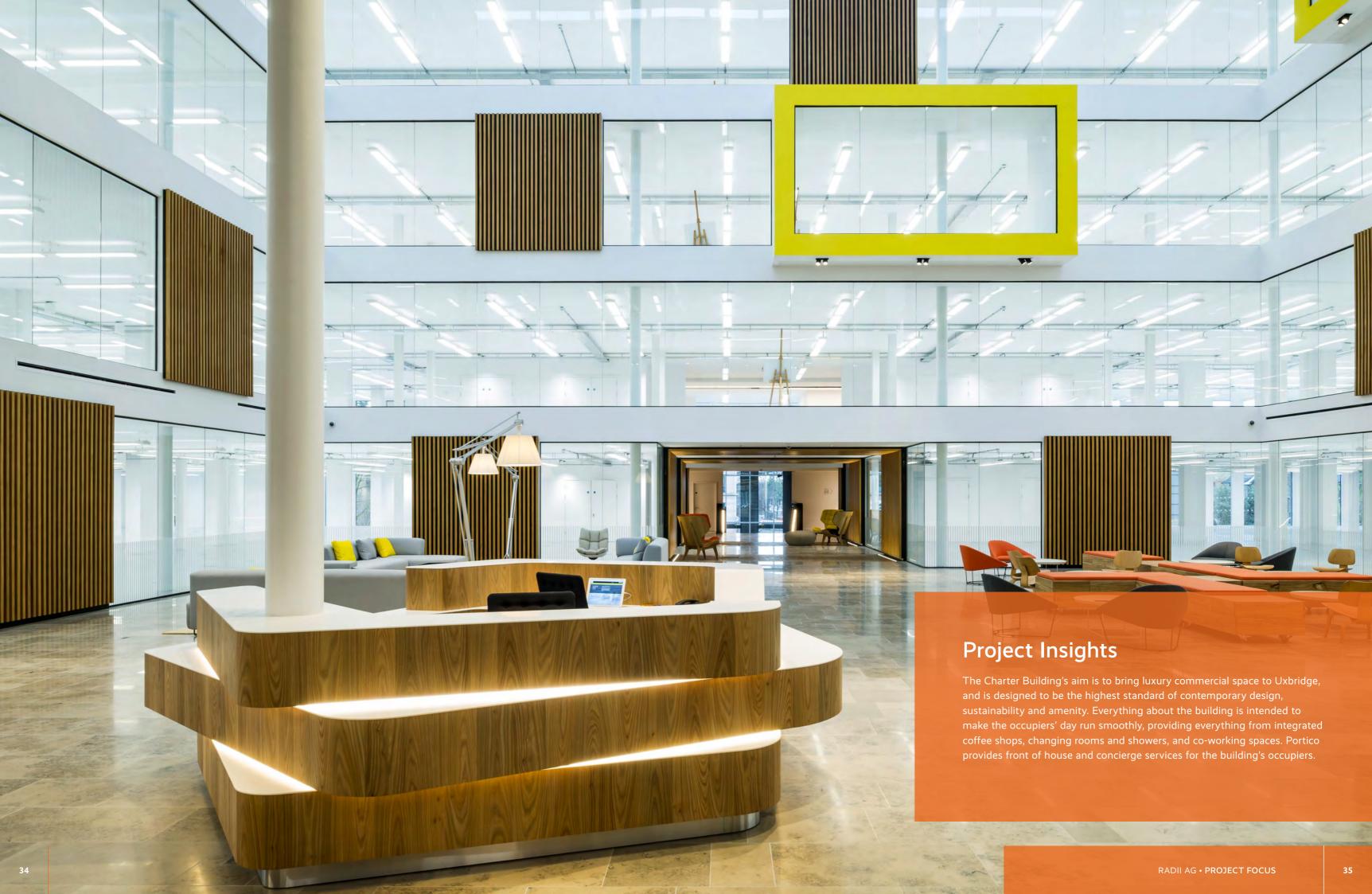










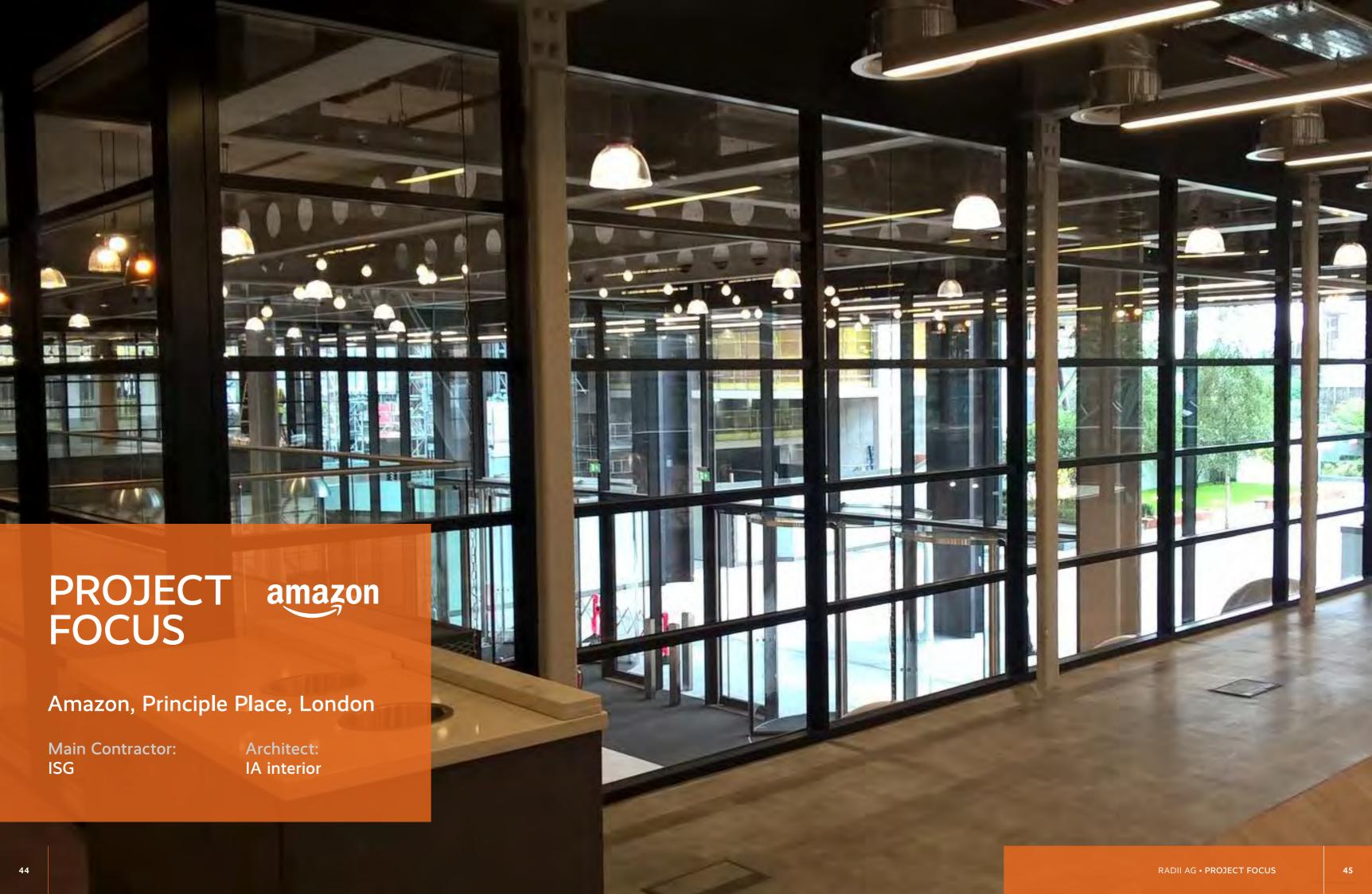


















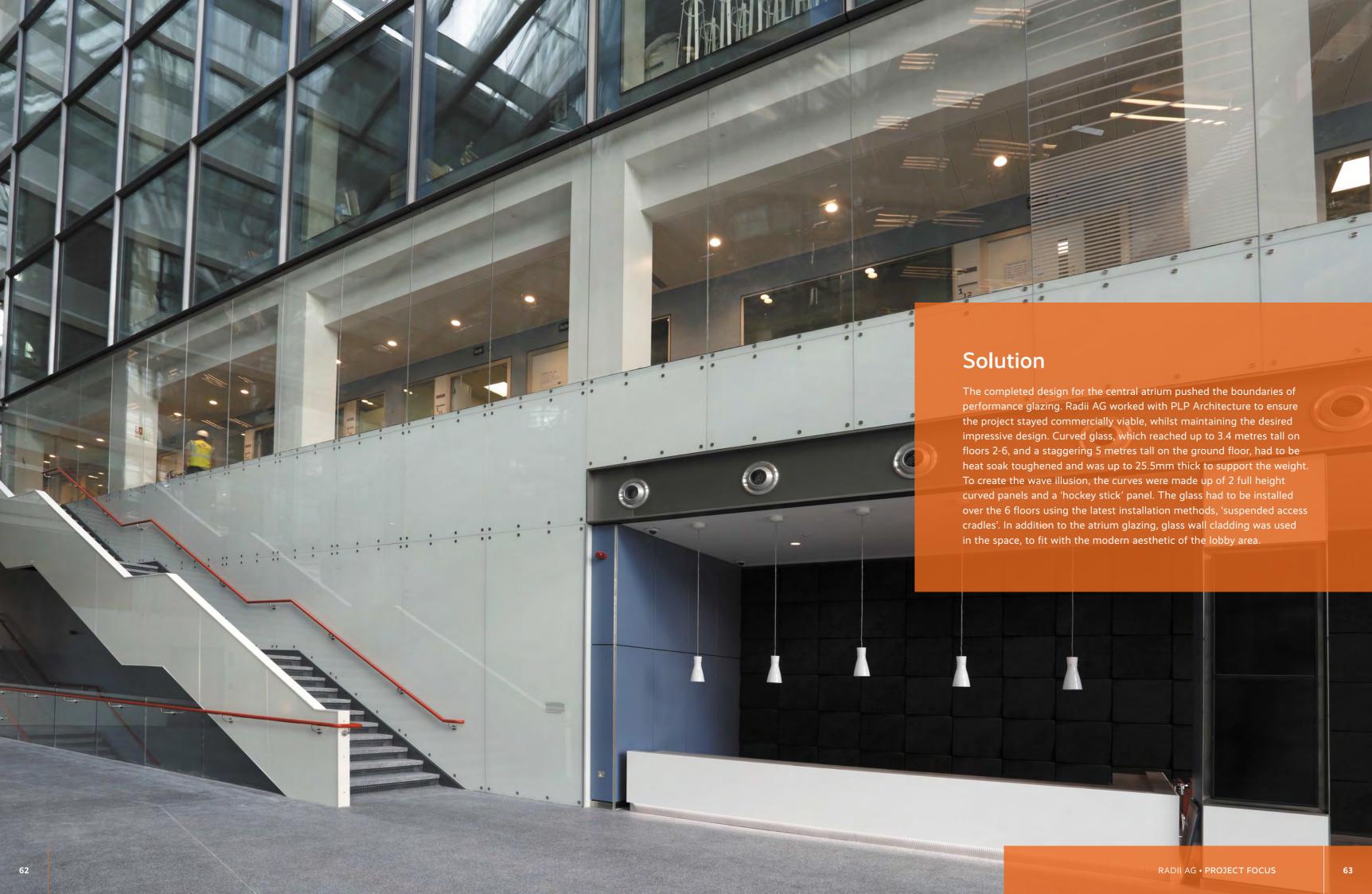




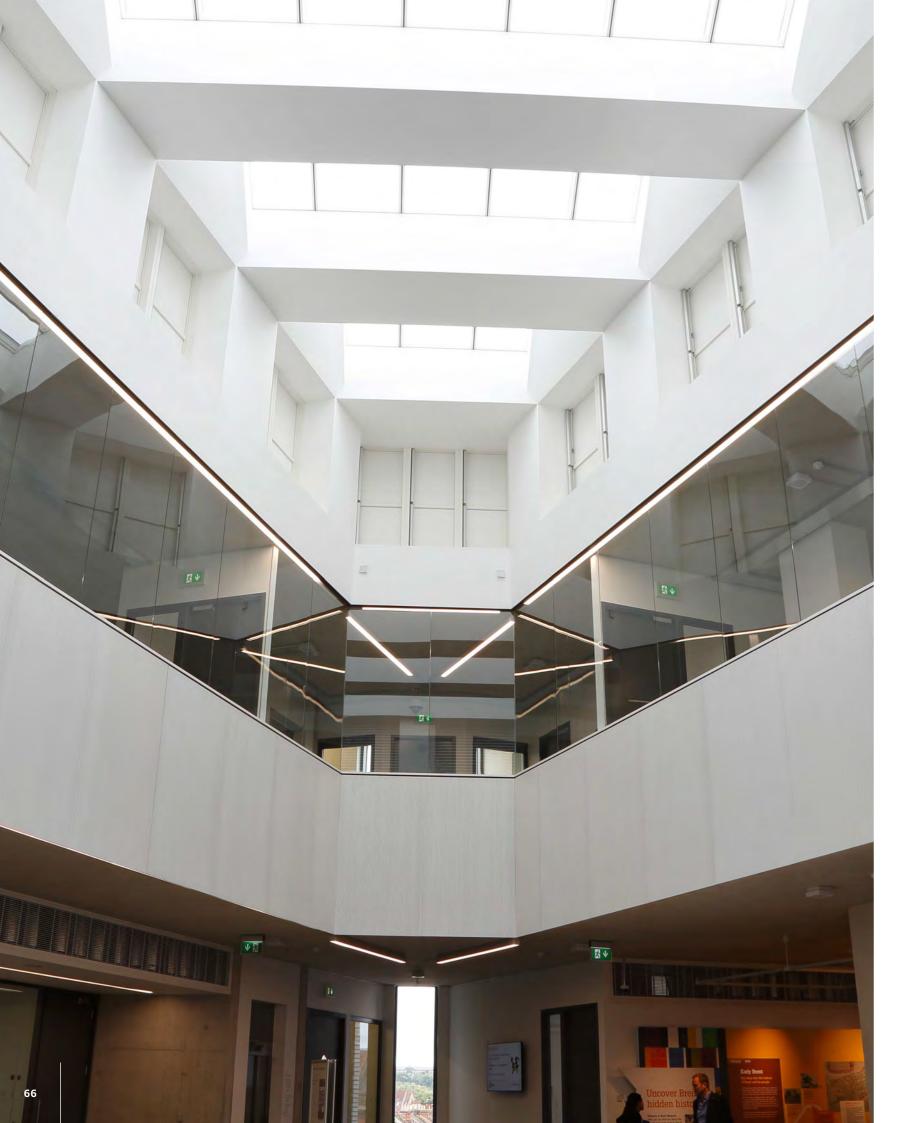












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