

# A Total Solution For Architectural Glazing



## Design and Build



**Cambs Glass**  
Design & Build



## Product : **Rooflights**



Rooflights, skylights and atriums provide an excellent method of introducing natural light into any room that permits. Glass rooflights tend to be less obtrusive than windows or facades, whilst offering greater flexibility when designing the room. We are able to provide standard geometries such as mono pitched, dual pitched, walk on, barrel vaulted, pyramid, conical, domed and lantern rooflights whilst also being set up to offer fully bespoke solutions to meet your requirements.

All of the above geometries can be supplied in patent glazing, silicone/structural glazing and frameless glazing options. We specialise in the supply of oversize glass unit rooflights, with glass unit sizes easily supplied up to and in some case in excess of 4.8m x 2.75m. We can also supply and manage the necessary contract crane lifts and required logistics associated with this type of specialist work.

## Product : **Facades**



Glazed facades provide any structure with a lightweight glazed infill that provides access, ventilation and natural daylight into multiple areas of the property whilst providing a modern focal point to the external facade. We can supply single, double or even triple glazed variations to suit the individual requirements of your project. Facades can incorporate solar control coatings, Brise Soleil, integrated blinds or even switchable LCD Glass options.

Our facades can be supplied in a fully framed thermally broken aluminium curtain walling system, externally flush silicone sealed thermally broken structural glazing system or a thermally broken frameless glazed system which can be supplied in a point fixed or shuffle glazed design. Our team will work with you to help develop and specify your facade requirements.

## Product : **Walk On Rooflights**



Walk on glass is an excellent method of introducing natural light to dark areas or subterranean rooms within your property whilst maintaining the usable and costly floor space you currently have or are planning on building. With external walk on glass we are able to supply a number of different finishes to prevent slipping due to water build up on the surface. This ranges from sandblasting of the glass through to a ceramic anti slip frit enamel, painted and baked into the top surface of the glass.

Most walk on glass elements are designed to fit flush with the surrounding floor finishes providing a seamless transition from one finish to the other, we can work with your construction team to create the required upstand and aperture detail to produce both a guaranteed water proof rooflight installation and the required flush perimeter finish.

## Product : **Conservatories**

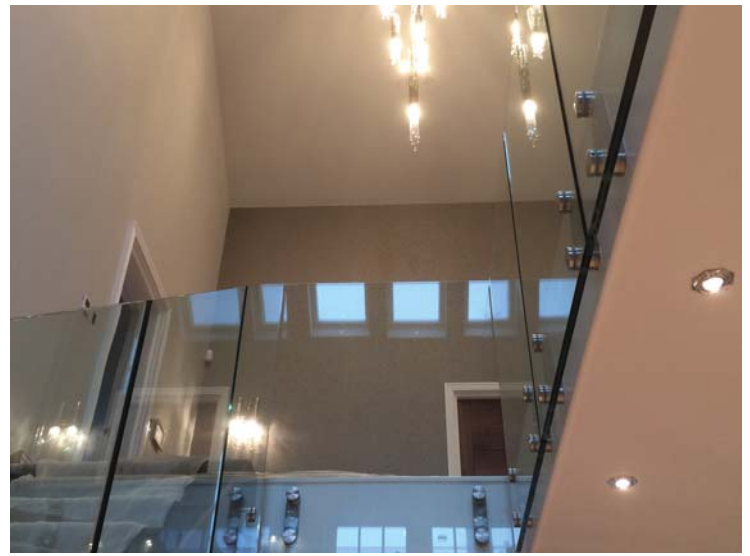


Conservatories are a quick and effective way of adding usable space and value to your property, whilst minimising the visual effect on existing facades which is often stipulated by planning authorities where the property is listed or within a nature reserve. A conservatory provides the occupier with a space to enjoy the feeling of alfresco living whilst being protected from the unpredictable British weather. Our conservatories can also be provided with sliding folding doors to create large openings which further adds to the feeling of outdoor living.

Our conservatories can be supplied in patent glazing, silicone/structural glazing and frameless glazing options. All with the ability to be provided with integrated roof vents, opening windows, and doors such as hinged, pivot, sliding or folding.



## Product : **Balustrade**



Glass balustrades are designed to provide edge protection to stairs, landings, lightwells, ramps and any other circumstance where there is the possibility of a fall. Modern glass balustrades minimise the visual weight of the balustrade which could otherwise detract from the aesthetics of the internal finishes or external view. We can supply a multitude of designs from traditional posted systems with infill glass panels to fully bespoke, contemporary styled, point fixed systems.

With specialist balustrade details the main concern is the fixing detail and the ability to transfer the loading through to the superstructure, we have produced a range of standard fixing details which are fully tested to ensure compliance. Balustrade glass can be supplied as toughened when incorporated with a handrail or toughened/laminated where a handrail is not required.

## Product : **Partitions**



Glass partitions are a quick and easy way to divide large spaces into smaller rooms such as individual offices and meeting rooms, or between different elements such as swimming pools and gymnasiums whilst maintaining the transfer of light between areas and maintaining that open plan feel. Most of our partitions are designed to be frameless where the glass is fitted into recessed channels installed in the surrounding walls, floor and ceiling.

Whilst not required under current regulations we recommend any partitions installed adjacent to a swimming pool to be supplied in a toughened/laminated specification so that should the glass ever break, the interlayer will retain the glass preventing harm to anyone using the pool or any potential damage to the filtration system.

## Product : **Canopies**



Glass canopies can work as an attractive focal point to any building. Usually placed outside entrance doors to keep the weather away, glazed canopies also allow natural light through to the entrance area. We can offer structural glazed and frameless glaze canopies as well as fully bespoke systems to fit perfectly within your application. Clear glass canopies are the most popular choice however other glass options are also available.

Most Canopies are design to be face fixed to an existing wall or fitted back to sunken pad foundations incorporating holding down bolts, with either option we have fixing details to match with our standard canopies. On other occasions we have produced bespoke fixing details where the fixing point is picked up through cladding or masonry.

## Product : **Bespoke**



Unique properties require and deserve unique architectural glazed features which compliment and add to your property whilst providing functional benefits to living space and way of life. Points for any client to consider when deciding to utilise bespoke architectural glazing is the effect the glazing will have on your internal living atmosphere, such as potential heat loss or solar heat gain from the sun and direct light transfer into the property.

Our specialist in-house design and project management team will work with you and your construction team from initial concept creation through to site completion. Utilising the latest software we are able to provide complex designs and geometries to create your unique and bespoke requirements whilst also being able to offer standardised, cost effective solutions.



## Project : **Egham, Surrey**



Working with a leading UK development company, our specialist in house design and build team was commissioned to design, manufacture and install two single curved glass dome rooflights to this unique private residence, located in a sort after area of Egham, Surrey.

Fully mocked up in our production facility prior to dispatching to site, each measured in excess of 3,000mm and consisting of 24 double glazed glass units in total with a central transom line. The rooflights were supplied in a bespoke structural glazing system where the glass units are bonded onto the internal aluminium framework, all to create a flush silicone filled external surface, thus removing water and dirt build ups, meaning maintenance is less of an issue for the end users.

## Project : **Barnet**



Working with a leading London residential development company our specialist team designed, manufactured and installed a number of bespoke shuffle glazed screens to this extension and renovation project.

To achieve the clean aesthetics a specialist perimeter channel frame was designed with the detail recessed into the surrounding finishes all to create a frameless appearance.

Further adding to the frameless aesthetic was the inclusion of stepped edge double glazed units at all corner details, negating the need for internal support. The two large facades were supplied with Schuco ADS open out door set installed flush with the surrounding glass and painted black to minimise the sightlines of the frame. The main glass units were supplied in a toughened/laminated specification giving them greater resistance to wind loading removing the need for vertical supports and achieving a Burglar resistance rating of P4A to EN356.

## Project : **MSA Peterborough**



In conjunction with Innsite UK Ltd, Cambs glass was contracted for the supply of the curtain walling glazing to both the Peterborough and Cambridge MSA service station extensions, located on the main routes of the A14 & A1. Cambs Glass in house teams designed, manufactured and installed the Schuco FW50+ thermally broken pressure equalised glazing system, which was all fitted back to the builders work aperture and main supporting steelwork frame.

The site remained operational for the duration of our works and our contracts team took special measures to ensure the health and safety of all operates and customers as they continued their business as normal. As such Cambs Glass utilised specialist access solutions in order to safely carry out the facade installations. Throughout our works the hungry customers were able to have unrestricted access to all the service station facilities.

## Project : **Wentworth**



Working on a new large build for a leading property development company located on the world renowned Wentworth Golf Course. The team at Cambs Glass designed, manufactured and installed 2 no walk on glass rooflights and 2 no fixed internal glass partitions located between the swimming pool and gym areas of the subterranean part of the development

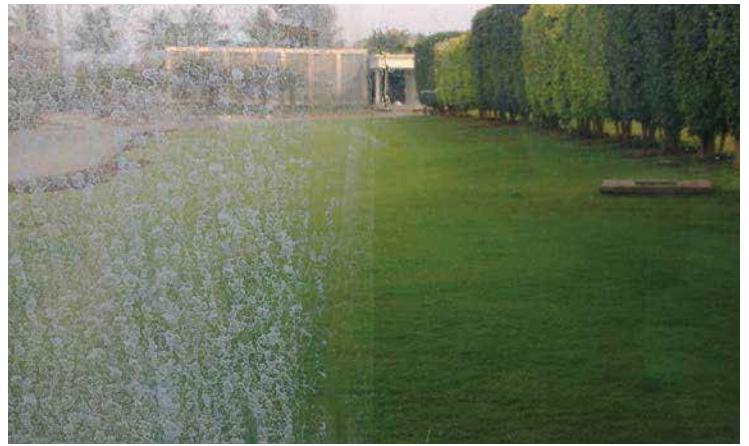
The team also supplied a bespoke screen to the clients wine cellar featuring a frameless glass door which was fitted off of the surrounding glass panes with the use of dorma patch fitting.

The door incorporated a floor spring providing 90 deg hold open facility and a 2 speed self closing feature. For added security the door was also supplied with a central point lock.



## Option : **Ritec ClearShield**

Ritec's ClearShield system has been developed for the renovation, protection and maintenance of glass. ClearShield protected glass is always easier to clean and keep clean, stays cleaner for longer and resists staining and discolouration.



## Option : **Sandblasting**

Sandblasting is a popular way to obscure the view and obtain privacy whilst at the same time allowing the transmission of light through glass. Using masks in the sandblasting process it is also possible to create bespoke designs and patterns on the surface of the glass.



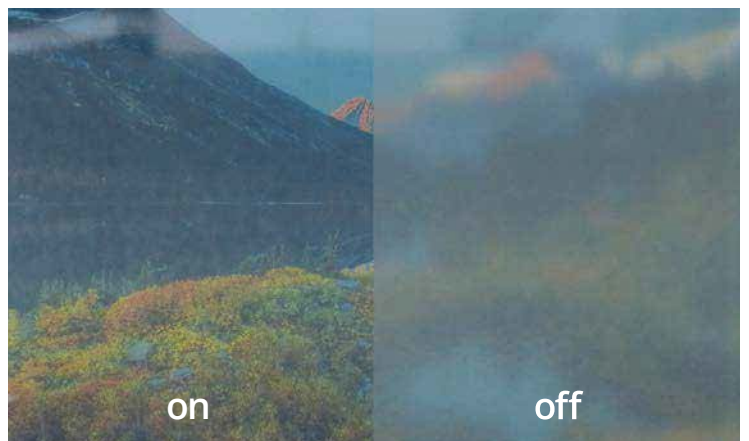
## Option : **Solar Control**

Solar control glass coatings can be used to minimise solar heat gain in hot climates and help control glare. Solar control glass can be used to minimise, or even eliminate, the use of air conditioning systems which reduces running costs and saves energy.



## Option : **Switchable**

We can offer two types of switchable glass, LCD and SPD. When a current is applied LCD switchable glass changes from an obscured finish to transparent, SPD on the other hand changes the amount of light passing through going from transparent to dark.





## Option : **Coloured Glass**

With this specially processed glass you can introduce vibrant or subtle colour in its most hardwearing or enduring form. Glass can now be back painted or screen printed in either blocks of colour or intricate designs using any RAL or Pantone® colour.



## Option : **Digitally Printed**

Using a specially developed glass coating technique it is possible to reproduce black and white or full colour images onto the surface of glass. The results are exceptional with excellent colour consistency, depth, brilliance and contrast.



## Option : **Heat Mirror Film**

This unique film is secured between sheets of glass and offers unprecedented thermal insulation and comfort. Glass made with this heat mirror technology can have an R-value from 6 to 20 and insulate as well as typical walls, substantially lowering energy bills.



## Option : **Integrated Blinds**

Glazing units with integrated blinds are an excellent screen against the sun and offer the possibility to quickly and easily adjust the internal environmental lighting level. This level of light can be adjusted by tilting (venetian) or lowering (pleated) the blinds.





# Gallery





## About : **Who We Are**



Cambs Glass Ltd was set up by the owners of Glazing Refurbishments Ltd in June 2013 to complement its existing services, by offering an in-house glazed unit fabrication service and a responsive domestic and commercial glazing service to the surrounding area. Cambs Glass Ltd regularly undertakes work for Cambridge University, Cambridge Science Park as well as a number of large blue-chip companies located within the region.

At the beginning of 2015 the management team decided to expand the services offered and as such invested in the creation of a bespoke design and build department incorporating in-house, sales, design, fabrication and installation resources enabling the team to oversee the whole of the glazing project throughout the UK . To complement the design and build department it was decided to launch a range of cost effective glazing products which offer outstanding thermal properties, great aesthetics and the latest technology all of which can be bought directly from our website, or through our technical sales team.

## About : **What We Do**



Cambs Glass Ltd provides a Bespoke Architectural Glazing service to our customers throughout the UK and Channel Islands, one that focuses on customer satisfaction at the forefront. We understand that construction projects are reliant upon supplier timescales and budgets, and our goal is to provide our customers with a reliable, honest service by satisfying individual customer needs with a quality product, on time and with no hidden costs.

We also believe it is important to keep up to date with the latest glazing technology and trends within the market, and shall continually improve and develop our products and services to keep up with the latest technology and our customer's feedback. Our company will make a profit by generating sales. It will provide job satisfaction and fair compensation to its employees, and a fair return to its owners. Hard work and performance is rewarded through bonuses and commissions. Job satisfaction is very important for employees and owners, we will create a work environment that is enjoyable and profitable for all.



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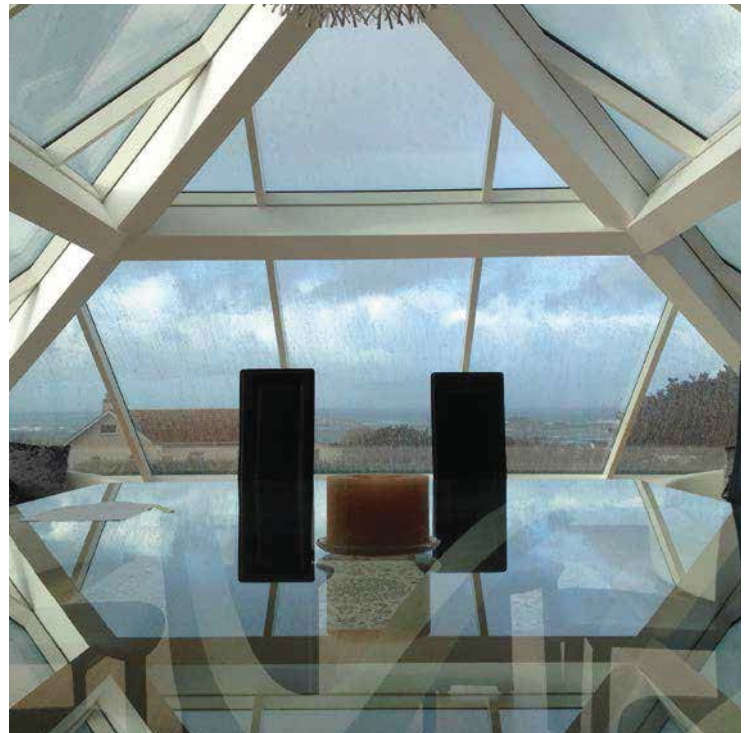
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