



HIGH PERFORMANCE GLAZING

COMFORT
SECURITY
ARCHITECTURAL
SMART GLASS

From being a simple material, glass has become an essential provider of services, making buildings more 'intelligent'.





INDEPENDENT FRENCH GLASS TRANSFORMATION SPECIALIST



1979
Company
set up by
Pierre Riou

1,000
employees

1 headquarters

17
processing
units

1 transport
company

1 installation
help service

100,000 t
of glass processed
each year

2,700,000 m²
of insulating
glazing units
assembled
each year

RIOU Glass is a French independent family Group of companies, created in 1979 by Pierre Riou, the current chairman. The group specialises in the processing of flat glass.

Today the Group employs 1,000 staff in 17 sites throughout mainland France and the Reunion Island. It provides assistance for clients and makes significant contributions to developments in its sector.

A benchmark player in the French glazing market, RIOU Glass carries out transformation processes on all types of glass products for the building, decorative, furnishing and multi-sector industries. RIOU Glass is a leader in preparing for the markets of the future. Its expertise in the sector naturally means that it is recognised as the essential technical partner for architects and clients in these markets.

Its wide product range combines aesthetic appeal with high-technology performance: light, thermal insulation, noise level control, sunlight control, security and ease of maintenance.

With its high profile in the Indian Ocean, Middle East, North African markets and in the markets of countries which neighbour France, RIOU Glass is expanding on the international stage.



Pierre & Christiane Riou, surrounded by their children, Nicolas & Christine

1979 Pierre and Christiane Riou set up a small business: paint, insulation, fitting of secondary glazing and double-glazing units.

1983 Creation of **VIP** (Eure), double-glazing manufacturing units. Development by Pierre Riou of a roller press for assembling insulation glazing.

1988 Small business management prize awarded to Pierre Riou.

Horizontal conveyor press unveiled at GLASSTEC (Germany). Patents applied for.

1989 Creation of **VIC** (Manche).

1990 Patents for process and machine awarded by European Patent Office.

1993 **VIB** (Côtes-d'Armor).

1999 Creation of the **RIOU Glass** holding company.

2002 Extension of **VIP** to 11,000 m²: factory modernisation and automation.

2005 **SLPV** (Hérault).

CLOSE CUSTOMER RELATIONS & TRANSPARENCY

Our relationship with our clients is based on listening to what they have to say and close cooperation. This is the only way to ensure optimum levels of quality; by taking clients' expectations and constraints into consideration.

Our account managers are the main point of contact and carry out regular follow-up activities with our clients; to maintain contact, to process orders and to provide after-sales service.

Our account managers are reactive and transparent in their responses to client requests. All proposals are based on their expertise in the field, ensuring our clients benefit from the capacity and flexibility of our network.

Meeting deadlines and quality requirements whilst ensuring that best practices are observed are the essential RIOU Glass values.

OUR VALUES

Sharing ideas

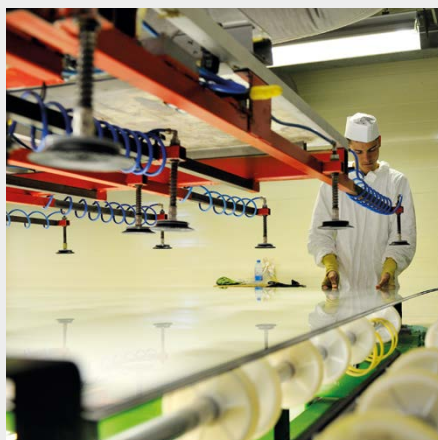
A team spirit exists within our facilities and between our facilities. We share our knowledge and pass on our know-how.

Independence and initiative

Depending on your purchasing specifications, our advisors are free to select the source of raw materials to use in any transformation. Decisions are made independently and quickly. The reactivity of our teams is the proof of this.

Desire

Our teams are driven by their commitment to the sector that they work in and their desire to see a job well done. Our staff are qualified and undergo regular training to reinforce their level of knowledge. Their primary objectives: quality and customer satisfaction.



INNOVATION AT THE HEART OF OUR ACTIVITIES

At RIOU Glass everyone is encouraged to challenge, make proposals and to pass on customer's needs to provide food for thought. Ever since its creation the organisation has played its part in developing the changing technology of the glazing sector through its annual investment in research. Its integrated Research & Development units are continuously improving manufacturing methods so that clients are offered an ever-growing range of products.

Its expertise in the processing of flat glass and the internal management of all its activities enables it to develop exclusive products. These provide solutions to tomorrow's problems in the field of building technology, housing, energy management, security and multi-sector equipment.

2006 Purchase of 2 Pilkington Group facilities: **VIN** (Pas-de-Calais) and **VIV** (Vendée).

2007 **STV** transportation company set up.

2008 Pierre Riou awarded the French Honour *Chevalier de l'Ordre National du Mérite*.

2009 Purchase of **V2S** (Aude).

Purchase of Pilkington France: **LVI** (Seine-Maritime), **VERAQUI** (Lot-et-Garonne), **VICA** (Côtes-d'Armor) and **VIO** (Mayenne).

2010 Purchase of **SOREMIR** in Reunion Island.

2013 RIOU Glass starts its first assembly line for heating glazing units.

Launch of **RIOU Glass CREATIONS** decorative glazing facility.

2015 Pierre Riou recognised at the *Victoires des Autodidactes* business awards.

Prize for innovation for **ColorGlass** at the Foire de Paris exhibition.

VIE (Meurthe-et-Moselle).

2016 Launch of the installation help service **APV**.

2017 **AIV** (Ille-et-Vilaine).

2018 **VIR** (Pyrénées-Orientales).



ARCHITECTURAL FREEDOM & PERFORMANCE

Glass is a durable and easy-to-use material. It is resistant to heat, cold and humidity and does not degrade. It represents a high-performance component which allows a high degree of architectural freedom of expression.

It has to meet the demands of architects, designers and contractors and must meet its users' needs. It has become an essential component of buildings.

Modern glass from RIOU Glass provides a solution to a multiplicity of performance needs, whether it is used in an interior or as an external surface of a building.

It allows light to pass through whilst still maintaining privacy in pleasant surroundings, or provides protection from the sun's rays to ensure the best possible levels of comfort.

Above all it provides solutions in terms of thermal and sound insulation and energy management, whilst providing security for people and property, protection against intruders, vandalism or fire and all with easy maintenance.

The various high-performance properties of products can be combined, as can various decorative techniques. Shapes, colours and decoration can be varied to customise both interiors and exteriors.

STANDARDS & REGULATIONS

RIOU Glass product ranges meet standards for the security of individuals and property as well as environmental standards:

- Maintaining interior air quality, since glass emits no VOCs (Volatile Organic Compounds);
- Contributing to a reduction in energy consumption and control of CO₂ greenhouse gas emissions in accordance with the *Grenelle* French environmental agenda.

They provide solutions which are suitable for housing, public buildings, high environmental quality (*Haute Qualité Environnementale* - HQE) buildings and low consumption (*Bâtiments Basse Consommation* - BBC) buildings.

Glazing systems are tested against and approved in accordance with international and European standards. Test reports and certifications are available on request.

YOUR PARTNER FOR LOGISTICS

RIOU Glass provides a highly reactive delivery service to its clients throughout France and in Europe, based on regular services provided by its transport department. The company are specialists in container-based product delivery, and can therefore ensure fully secure delivery of orders anywhere throughout the world.



URBAN PLANNING

Ensuring that the components of tomorrow's urban environment are intelligently and harmoniously designed: new construction or renovation products, activity areas, commercial and leisure centres, cultural or sports complexes, constructions to ensure user-comfort (noise-reduction or wind-protection walls) etc.



TERTIARY & BUILDING SECTORS

Creating pleasant working conditions in industrial, agricultural and office buildings and administrative areas: conventional, dual-layer or breathable outer walls, curtain walls, canopies, atriums, sunshades, partitions, guard rails, stairs, lifts etc.



COMMERCE

Fitting out and protecting large stores: frontages, windows, wall coverings, floor slabs, stairways, guard rails, layout, furnishings, mirrors, decoration etc.



PUBLIC ACCESS BUILDINGS

Constructing and furnishing secure and ergonomically designed spaces in the fields of health, education, culture, tourism, sports facilities, commercial centres, stores, administration areas, stations, airports, car parks etc.



INDIVIDUAL HOMES

Furnishing and protecting living spaces: entry and garage doors, windows, verandas, conservatories, balconies, bow windows, light wells, awnings, balustrades, pool barriers etc. But also kitchen and bathroom re-design: glazed partitions, cupboards, mirrors, work surfaces, shower screens etc.



MULTI-OCCUPANCY DWELLINGS

Constructing or renovating public or private areas: outer walls, doors and windows, public areas, doorways, guard rails, balcony dividers, stairways, lifts etc.



INTERIOR FITTINGS

Designing living and working spaces: partitions, modular design spaces, interior doors, wall coverings, work surfaces, floor slabs, stairways, guard rails, furniture, shop windows, projection screens, aquaria etc.



FURNISHING & COMMUNICATIONS

Developing materials which allow the imagination of furniture designers to run free. And offering communications areas whilst ensuring the safety of individuals: street furniture, bus-shelters, advertising panels etc.



SECURITY & DEFENCE

Protecting individuals and items of value: police stations, prisons, psychiatric hospitals, administrative centres (ministries, embassies, consulates etc.), SEVESO regulated sites, military installations, armouries, security and customs posts, toll booths, service stations, banks, bureaux de change, museums, art galleries, jewellers, major stores, palaces etc



TRANSPORT & INDUSTRY

Safety equipment for fitting out or renovating private and public transportation (automotive, rail, marine and aerospace industries). Providing assistance to industrial clients with their development projects: ovens, refrigerated cabinets, industrial and agricultural machinery, photovoltaic panels etc.

MULTI-FUNCTION GLAZING PRODUCTS

4 RANGES AND AN INFINITE CHOICE OF SOLUTIONS TO MEET MULTI-FUNCTIONAL REQUIREMENTS THAT CLIENTS AND CONTRACTORS DEMAND FROM A SMART MATERIAL

COMFORT

- INSULATION GLAZING: THERMAL, NOISE, SUNLIGHT CONTROL, EASE OF MAINTENANCE
- INSULATION GLAZING: FOR REPLACEMENT, WITH BUILT-IN BLINDS
- ANTI-REFLECTION ETC.

Rglass THERM



Enhanced thermal insulation for improved winter comfort

A range of insulation glazing designed for windows and outer walls of residential and tertiary sector buildings and which significantly improves thermal insulation performance.

Insulation is provided by low-emissivity glass which allows the maximum amount of natural light to enter the interior of a building whilst limiting the loss of heat to the exterior.

Rglass SONIC



Enhanced sound insulation to provide protection from noise

An ideal solution for effective reduction in sound levels in situations which are exposed to excessive noise: roads, railways, air traffic etc.

Noise reduction is achieved by high-acoustic-quality laminated glass which provides a significant reduction in noise coming from the interior or exterior of a building.

Rglass RENO



Thermal & noise insulation without changing frames

The Rglass RENO range of replacement insulation glazing exhibits the highest levels of glazing performance quality. It can be easily adapted to any existing frame and quickly fitted without damage to paintwork or wall decorations, whilst retaining the original frames.

Practical and economical, it blends in easily with the aesthetic qualities of the original window without having to modify it.

Rglass VIEW



Maximum clarity, optimised visibility

A range of high-transparency glazing units (extra-clear and/or non-reflective glass) designed for any applications which require optimum external and interior vision without degradation of the colours of the objects being displayed.

The low level of reflection and high degree of natural light transmission offered by Rglass VIEW provides genuine control over visibility. Its low energy absorption means that it can be used in a multiplicity of applications

Rglass SUN



Comfort in summer & throughout the year with suitable sun protection

Solar control glazing is particularly suitable for energy management in large glazed areas. It filters the energy being transmitted towards the interior of the building.

Intended for both residential buildings and tertiary sector projects, it is particularly suitable when the latter are south or west facing, where optimum levels of light and sun protection are sought.

Rglass CLEAN



Ease of maintenance & long intervals between cleaning

Our easy maintenance solutions use glass with a self-cleaning coating which incorporates a special dual-action process on its external surface.

Exposure to daylight triggers a chemical reaction which breaks down organic dust deposits, which rain or spraying then remove.

Rglass VISI



Solar control & privacy with the built-in blind option

Insulating glazing with built-in blinds offers, in a single product, the levels of performance of genuine insulation glazing and those of a textile or Venetian blind with adjustable blades which can be raised.

Rglass VISI provides guaranteed protection and management of solar energy ingress. In windows, in outer walls or partitions, depending on the situation, it provides partial or total shading to maintain the privacy of the location's occupants.

SECURITY

- INSULATING SECURITY GLAZING
- LAMINATED GLASS: VANDAL RESISTANT, INTRUSION DETERRENT, BULLET-PROOF, EXPLOSION RESISTANT
- RADIATION SHIELDING GLASS
- TOUGHENED GLASS
- FIRE RESISTANT GLASS ETC.

Rglass PROTECT



Enhanced security for individuals & property

The Rglass PROTECT range of laminated glass provides passive security (protection of individuals against impacts, falling glass, individuals falling into spaces) and active security with enhanced characteristics providing protection against vandalism, intrusion, firearms or explosions etc.

It provides enhanced protection of individuals and property, and through the infinite number of combinations available allows a high degree of freedom of architectural choice.

Rglass TREMPE



Passive protection & furnishing

The Rglass TREMPE range of toughened glass undergoes a treatment which enhances its mechanical strength and heat resistance. This allows metal parts to be fixed to the glass, thus extending the possibilities of use in terms of layout and furnishing.

This glass performs a passive safety role, principally the protection of individuals against impact. In the event of damage, the glass breaks into small pieces, thus minimising the risk of cuts and injury.

Rglass FEU



Protection of individuals & property against fire

The Rglass FEU range of EW or EI glass makes use of high-performance technology which allows the products to be applied wherever the greatest need exists in terms of protection of individuals and property.

These reliable fire protection solutions can be used throughout public or commercial buildings to provide more light.

ARCHITECTURAL

- DECORATIVE GLAZING: TEXTURED, ETCHED, TINTED, PAINTED, THERMOFORMED, FUSION
- MIRRORS
- BLOWN GLASS
- CURVED GLASS
- ENAMELLED GLASS
- SILK-SCREENED GLASS
- STRUCTURAL GLAZING ETC.

Rglass DESIGN



Express yourself & add value to your property

Innovation, creativity, aesthetic design, quality and level of technical performance govern the design and layout of both new constructions and renovation projects.

Through its wide choice of glass and of decorative techniques, the **Rglass DESIGN** range provides a complete solution to the need for diversification and customisation of living spaces through the use of colour and design. It also meets requirements for restoration of historic buildings.

Rglass PATRIMOINE



Ensure authentic restoration of historic buildings

This specialist range reproduces all the features of historic glass, providing a perfect match for any style of heritage property that is undergoing restoration.

Rglass PATRIMOINE is available both as single-glazed units and as insulating glazing units for interior and exterior applications.

Made of blown or drawn glass, its enhanced scattering and visual deformation are combined with today's thermal, noise reduction and glass safety standards.

Rglass CREA



Individual customisation & creativity given a free hand

Shaping, UV bonding, curving, sand-etching, painting, imitation stained glass, colouring, digitisation, thermoforming, fusion etc. Controlled combinations of techniques combined with artistic know-how extend the available customisation possibilities, offering an endless range of made-to-measure creative solutions.

Single-glazed or insulating **Rglass CREA** glazing units, individually customised or volume produced and which combine aesthetic properties with high-technology levels of performance.

Rglass CURVE



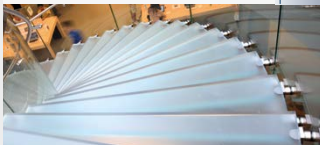
Bold forms for increased architectural freedom

Rglass CURVE is curved glass produced using a softening technique and moulding to provide the desired curvature.

A product designed to allow freedom of architectural expression; it provides designers with the ability to use bold curves.

Rglass CURVE adds style to both interior and exterior designs and provides optimised management of light and vision. Available as annealed, tempered or laminated single glazing or as insulating glazing units, it can incorporate other functions.

Rglass SYSTEM



Design with style & safety thanks to our glass systems

An exclusive and innovative range of systems at the leading edge of technology. Allows total freedom of architectural expression, combining creativity with protection for individuals and property. Laminated glass with metal inserts, ready-to-fit guard rails, glass pool barriers, floors and steps... Provide aesthetically pleasing safety solutions for designing easy-to-install internal and external furnishings

Rglass EMAIL



Decorative surfaces for outer walls & interiors

The enamelled or silk-screened glass is a toughened product with one of its faces coated with one or more layers of coloured or opaque enamel which is vitrified during the thermal tempering process.

Rglass EMAIL is the product of choice in architecture and in decoration. Widely used in glass outer walls, its opacity and brilliance enhance the structural elements of a glazed building.

Rglass FAÇADE



Do away with structures & opt for "all glass" outer walls

Rglass FAÇADE is the most suitable solution for flush-fitting all-glass facades.

Structural glazing techniques and products to form the outer surface of a building rely on providing an image of a perfectly smooth "skin" of glass, with no emerging framework parts.

SMART GLASS

- CONTROLLED OPACITY GLASS
- LED DISPLAY GLASS
- HEATED GLAZING
- ANTI-CONDENSATION GLASS
- ALARM GLASS ETC.

PrivaGlass®



Protecting privacy with controlled opacity

A liquid crystal coating is applied between sheets of extra-clear glass. When a low electrical current is applied to it, it changes from opaque to transparent in an instant, as the situation requires.

PrivaGlass® is used mainly in internal partitions or as a projection screen, in windows or in outer walls and can combine other properties such as heat and sound insulation or intrusion protection etc.

LedGlass®



Create colourful surroundings with built-in LED lights

Integrated high-quality LED lights built into laminated glazing units are used to create luminous coloured glass.

Bespoke customisation using **LedGlass®** gives centre stage to your designs and colours. It can be used on sides of buildings or shops, in internal architecture or signs to create a special ambience, to enhance products or to create a dynamic communication surface.

CalorGlass®



Absolute comfort with intelligent radiant glazing

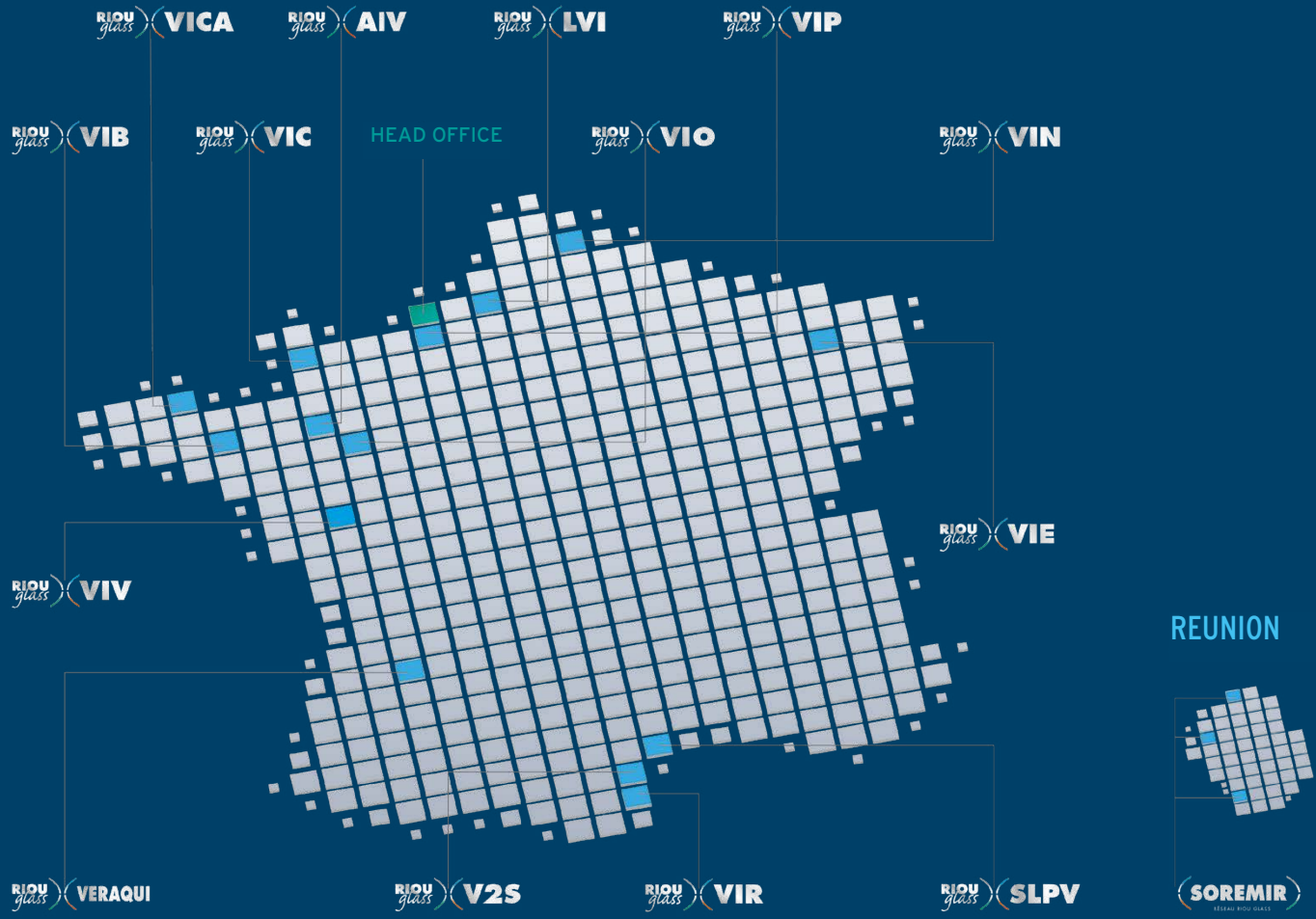
CalorGlass® is an adaptable intelligent radiant glazing system which offers multiple levels of performance. It is available in 3 ranges: ACCESS, the anti-condensation and snow-removal solution, CONFORT to permanently eliminate cold walls, and finally the premium heating solution which is the CHAUFFANT range.

For conservatories, bay windows or interior glazing, choose the benefits of **CalorGlass®** radiant glazing.



HIGH PERFORMANCE GLAZING

A NETWORK OF SKILLS
TO MEET YOUR REQUIREMENTS



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REUNION



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