QC Façades collaborates with architects and designers around the world to create architectural products that meet the needs of each individual project. Rainscreen systems are not a new concept. They are not a recent evolution. Quite the opposite, rainscreen applications have been present in our world’s culture much longer than our modern city landscapes. Though the materials and applications have evolved, the principles remain the same. It is a time tested ideology but are all rainscreens equal?

Go ahead, judge a building by its cover. We’ll help you specify rainscreen façades and cladding systems, making sure your project’s first impression will be a lasting one. The success of a rainscreen system resides in the understanding of environmental conditions and the proper application of cladding as it works with each unique building envelope.

*It is our mission to offer the best products and service in the community of rainscreen façade materials.*
QCF is dedicated to furthering the education of premier rainscreen solutions. With a European based rainscreen philosophy QCF is a leader of quality products, customer service and innovative solutions.

QCFacades offer unparalleled design freedom. A wide range of choices are available with different materials, shapes, systems, coatings and colors, that can help turn design ideas into reality.

Our façades systems offer:

- **Performance** - easy to adapt to specific project requirements
- **Economic value** - highly durable, fast and efficient installation
- **Green characteristics** - at the end of the façade lifecycle aluminum alloy is 100% recyclable
- **Aesthetic product** - colors, shapes, and details offer unparalleled design freedom
- **Ease of use** - demountable system that enables easy maintenance

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Cover: Sanmenxia Cultural & Sports Center, China
Architect: Liu Peng
Product: QuadroClad® QC300
QC-METAL SYSTEMS
Outstanding looks, excellent functionality

The QCFaçades Metal-system is a unique, open-jointed cladding system based on the principles of rainscreen façade technology. The lightweight skins are fused to a honeycomb aluminum core that provides extreme panel strength and flatness. They are engineered to deliver both outstanding looks and excellent functionality. QC-Metal panels and components have been designed to perform in even the most challenging of environments and have been independently tested for corrosion resistance, fire resistance and wind-load performance.

Custom shapes, curved and tapered panels, a variety of joint options and an extensive range of colors* and different materials* give you unparalleled creative freedom. Whatever the design shape or requirement, at QCFaçades we can produce it.

Every QC-Metal façade system is made to measure and manufactured in a controlled factory environment. This process guarantees optimum performance with no waste or time consuming processes when on site.

*Please refer to pages 36 - 39 for color and material inspiration
Design features
- Extreme flat panel surfaces
- Large range of colors and skin materials
- Design freedom
- Ideal for renovation projects
- Open, closed and contrasting joints possible
- Corners are made to measure from one piece

Technical features
- Standard thickness of 1 inch
- Lightweight - approximately 6.5 kg/m²
- Extra-large panel modules up to 5 x 20 feet as standard
- Superior quality and durability
- Virtually maintenance free
- Certified fire performance
- Certified wind load performance

Area of applications
- Façades and external envelope
- Self-supporting roofs
- Dome shape buildings
- Interior walls, ceilings and balconies
- Canopies
- For renovation of projects
QC50 QuadroClad®, our BASIC panel, is a high quality panel that can be fitted to almost any aspect of a building. It can be specified for both internal and external applications and fitted vertically or horizontally. QC50 is available in a range of natural materials, is lightweight and easy to install.

QC50 is not just a cut honeycomb sheet, it is a high performance made to measure cassette produced out of two folded aluminum layers with an aluminum honeycomb core glued inside. This manufacturing process allows QCFaçades to offer almost any thickness of panel.

**QC50 Features**

- Variable in thickness
- Fits a stunning range of natural materials
- Applicable for exterior and interior (walls, ceilings) applications
- A high quality panel, designed for both vertical and horizontal application
- It is easy to fix and suitable for mounting to a lightweight substructure
- Maximum size: 4 x 16 feet

*Previous page: Centre for Chemistry and Biomedicine, Innsbruck, Austria
Architect: Din A4 Architecture
Product: QC300 QuadroClad®

Above: Lario Centre - Bennet, Tavernola, Italy
Architect: Progetto CMR
Product: QuadroClad® QC50

Above: J-House / Canopy
Location: Old Greenwich, Connecticut, USA
Product: QC50 and QC100
Project: Crossroad Office Building, San Diego, USA
Architect: Open Studio Architecture
Product: QC50 QuadroClad®
Project: Doha Convention Centre, Doha, Qatar
Architect: Murphy/Jahn Architects LLC
Product: QC100 QuadroClad®
QC100 QuadroClad® is our EASY panel - it’s roll formed edge on two sides allows for an easy installation when using the supplied fixing clamps. The clamp cover provides an optical 1 inch closed joint, which can be colored to create an even more visual effect. The QC100 is both horizontal and vertical mountable and the unique combination of the roll formed edges and clamps makes QC100 ideally suited for projects with large self-supporting roofs.

QC100

Features

• Easy installation due to the roll formed edges and fixing clamps
• Suitable for large cladding projects (where same sizes are desirable)
• Closed (contrasting) joints possible for special effects
• Ideal for vertical application
• Suitable for self-supporting roofs
• Maximum size: 5 x 20 feet
QC200 QuadroClad® is our ULTIMATE panel - a fully engineered panel with aluminum extrusion frames on four sides. Our specially designed extrusion top profile ensures easy screw fix installation on every substructure. The visual closed joint of the QC200 lays deeper, which creates a lifting effect and one that accentuates the visual appearance of each panel even more. Integrated channels provide ventilation that enable rain and condensation to drain behind the cladding surface, ensuring a much cleaner façade with lower maintenance costs.

QC200 Features

- Low installation depth
- Fewer parts needed
- Provided with a top profile for easy screw fix installation
- A closed, ventilated joint
- Individually removable
- Maximum size: 5 x 20 feet

Above: Fire Department, Bornem, Belgium
Architect: Studio Klein Brabant
Product: QC200 QuadroClad®

Project: Tirana East Gate Mall, Albania, Tirana
Architect: Laguarda Low Architects
Product: QC200 QuadroClad®
Project: Residential 209 Sullivan Street, New York, USA
Architect: Rawlings Architects PC
Product: QC200 QuadroClad®
Project: Maastoren, Rotterdam, The Netherlands
Architect: Dam & Partners Architects
Product: QC300 QuadroClad®
QC300 QuadroClad® is our COMPLETE system and as its name suggests, is our most complete façade solution. It is an ideal external wall finish for larger elevated buildings such as high rise residential buildings and skyscrapers exposed to extreme weather conditions. QC300 features free hanging panels with a ventilated cavity, with open joints that are designed to reduce surface wind loads. Tall buildings by their very nature require a different level of technical specification and QCFacades have developed a unique patented method of installation (including wall brackets, support rails and fixing plates) to meet these building’s requirements.

**QC300**

**Features**

- High rise - unitized panels
- Complete package, saves time in the building chain
- Easy installation due to our patented substructure
- Suitable for extreme technical requirements (windload)
- Individually removable
- Maximum size: 5 x 20 feet

---

**Above**

Hanover Pier 4, Boston MA, USA
Architect: Mikyoung Kim Design
Product: QC300 QuadroClad®

**Above**

Riverton Camp Williams Regional Training, Riverton, Utah, USA
Architect: Architectural Nexus
Product: QC300 QuadroClad®
INFINITY - that’s the word which best describes our QC500 QuadroClad® panel. By using triangular and diamond shaped panels combined with a specially engineered integrated fixing system it is the perfect solution for dome shaped buildings.

This exceptional ventilated façade system allows designers to create stunning visual shapes that follow the contours and profile of a building’s exterior.

QC500

Features

- The solution for dome shaped buildings
- Easy installation due to our corner fixed substructure
- Can be walked on for ease of maintenance
- Suitable where extreme technical specification is required
- Follows every contour of the building
- Maximum size: 5 x 20 feet

Above : Shell Museum, Dalian, China
Architect: The Design Institute of Civil Engineering & Architecture of DUT
Product : QC500 QuadroClad®
**Make a choice**

<table>
<thead>
<tr>
<th>Best product application</th>
<th>QC50 Standard</th>
<th>QC100 Easy</th>
<th>QC200 Ultimate</th>
<th>QC300 Complete</th>
<th>QC500 Infinity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canopies</td>
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<td>✓</td>
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<tr>
<td>Dome shaped buildings</td>
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<td>✓</td>
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<tr>
<td>Renovation</td>
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<td>Self-supporting roofs</td>
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<td>Interior</td>
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</tbody>
</table>

Designed to offer the architect a solution for any eventuality, QC-Metal QuadroClad® panels can be specified on a wide range of applications.

*Project*: Shanghai World Expo Culture Centre, Shanghai, China  
*Architect*: East China Architectural Design and Research Institute  
*Product*: QC500 QuadroClad®
QC façades is recognized throughout the world as an innovator of architectural products. This is particularly true in the development of new external wall façade systems where our QuadroClad® range has been specifically designed for use on renovation and refurbishment projects. Façade renovation of existing buildings is always an interesting topic and the new cost effective lightweight QuadroClad® range provides architects with the extra freedom to attractively upgrade and modernize a building’s façade.
Crossroads Renovation
The Mission Valley Crossroads project is a building exterior renovation project that replaces a failing 1970's brick tile cladding. The architect designed a new building exterior with both QC50 and ceramic cladding system. A new brand identity was created using the 404 address in combination with the vibrant orange color.

Kras Chocolate Company
The Kras Chocolate company wanted to renew their Headquarters in Zagreb Croatia by over cladding it's outdated 60's style building. The designers of Kras together with the team at QCfabsdes designed a new layout with QC300, windows and external blinds. The signature red color which reflects the Kras brand color will identify the chocolate factory for many years to come.
Another addition to the QC-Metal system is QC-Glass. A new frameless panel on which an aluminum extrusion is bonded, QC-Glass installation is executed on the same substructure as the standard QC-metal panels and in the same concealed method.

**Design Features**
- Optimized support structure allowing a variable panel pitch
- System projected horizontally or positioned vertically
- Available in a wide range of colors
- Curved to follow the shape of the building
- Connecting panels can create long linear runs
- Ideal for external ceiling applications

**Area of applications**
- Facades or Sun Control systems
- Elevations in front of ‘open’ staircases
- Ventilated walls
- To conceal air conditioning
- For large cladding projects

**Project**
- Sinclair, Chicago, USA
- Architect: SCB
- Product: QC-Glass (printed glass)
The large variety of glass types available reflect your unique building design aesthetic. QC-Glass is heat strengthened or laminated to meet building codes and is also available for silk screen, enamelled or coated applications.

In the project shown below, different colors and types of glass were combined with aluminum panels in three colors. All panels were installed in the same plane.

**QC-Glass**

*Features*

- Large panel modules (up to 4 x 13 feet)
- Joint width 0.4 inch
- Several types of heat strengthened and laminated glass available
- Individual panel installation and replacement
- Quick installation
- Mixed façades of glass, stone and aluminum in the same plane

*Below*: Istragrafika, Istria, Croatia

*Architect*: Prof. Kincl

*Product*: QC-Glass
Project: Bay Brook Mall, Houston TX, USA
Architect: OMNIFLX
Product: QC-Glass
Our Single Skin systems provide an economical cladding and soffit solution without compromising on technical performance. Single Skin facades create smooth, flat or profiled surfaces that are ideal for new and refurbished projects. They are easy to install, lightweight and available in a wide range of materials*, colors* and profiles. Single Skin systems are ‘made to measure’ to ensure optimum performance. They are particularly suited to large surface areas where color combinations can be included to give added visual appeal.

Design Features
• Neat concealed joints present a smooth uninterrupted appearance
• High strength - capable of withstanding high wind loads
• Extensive range of colors and different materials
• Made to measure - ensures optimum performance with no waste and time-consuming processes on site
• Complete with engineered joint solutions – ensuring strength and weathering integrity
• Horizontal, vertical or diagonal

*Please refer to pages 36 – 39 for color and material inspiration
Technical Features

• Different module widths possible
• Different thicknesses depending on the application
• Panel lengths made to measure up to 20 feet
• Fixing methods screw clamp or multicarrier
• Resists high wind load
• Roll formed tongue-in-groove system

Area of applications

• Façade and exterior ceiling
• Sloping and curved facades, external soffits
• Decoration of interior walls, ceilings and balconies
• Cladding of tunnels
• For renovation projects
From high-rise structures to single story buildings LinearClad™ T/U provides a robust exterior solution. The flatness of the panels creates a beautiful smooth uninterrupted appearance achieved by adopting either a visually closed T joint or a punctuated U joint. The system resists high wind loads and includes cranked corners that are precisely integrated with the support systems. This unique façade system is available in a wide range of colors, materials and finishes. The panels are made to measure and can be supplied in any length from 3 up to 20 feet.

**LinearClad™ T/U**

**Features**

- Flat modules from 0.5 up to 2 feet
- Roll formed tongue-in-groove system
- Practical system solutions to suit many facade designs
- Endless possibilities for combining colors, materials and finishes
- Horizontal, vertical and diagonal applications
Project: Holesovicky Pivovar, Prague, Czech Republic
Architect: CMC architect
Product: LinearClad™ T - perforated
Project: Tesco Superstore, Sheffield, UK
Architect: Saunders Architecture + Urban Design
Product: LinearClad™ T
The LinearClad™ F Façade System is a low cost panel that is ideal for projects where budget is an overriding factor. LinearClad™ F panels are lightly crowned and slightly thinner than their T/U counterparts. They consist of 0.5 and 0.65 feet wide roll formed panels with a tight joint. The panels are made to measure and can be supplied in any length from 3 up to 20 feet.

LinearClad™ F

Features

- Light crowned modules from 0.5 and 0.65 feet
- Roll formed tongue-in-groove system
- Perfect for low rise and interior projects
- Optimized system for medium wind load
- Large choice of color possibilities

Above: Weena Tunnel, Rotterdam, The Netherlands
Architect: Maarten Struijs
Product: LinearClad™ F

Above: Sunfilm Solar Factory, Großröhrsdorf, Germany
Architect: IPRO Dresden
Product: LinearClad™ F
An opportunity to set the trend in wall finishes

Meeting the aspirations of today’s busy specifier is where QC Façades excels.

The knowledge and expertise we have gleaned from working with some of the world’s leading architects and designers, gives us a head start over many of our competitors when it comes to customized façade solutions. At QC Façades we encourage our clients to think “Outside the Box” and challenge us to create new concepts and systems*. Many of the external wall systems we offer as standard today, started out life as a customized project.

An enviable reputation for excellence in engineering and creativity plus a willingness to cooperate with suppliers across the building process has enabled QC Façades to set the trend in the delivery of wall finishes.

*Please refer to pages 36 - 39 for color and material inspiration.
AuraWeave™ is a unique facade system that integrates metal, strips, pressings and perforated panel designs into one unitized element. This style of facade panel is particularly suited to buildings such as, car parks, stadia, arena and other open air environments where natural ventilation is required. The panels give the appearance of being optically closed when in fact they can be designed to be over 50% open. This flexibility in the design process allows architects to create amazing finishes to stale or unimaginative buildings such as concrete or structural steel edifices.

**AuraWeave™ Features**

- Design - Create your own façade
- Made to measure - ensures optimum performance with no waste and time-consuming processes on site
- Create a unique and timeless appearance
- Endless possibilities for combining colors, materials and finishes
- Resistant to extreme high windloads

Above: District 36, Miami, USA
Architect: ADD Inc Architecture + Design
Product: AuraWeave™ - Customized

Above and right: MET 3, Miami, USA
Architect: Nichols Brosch Wurst Wolfe & Associates
Product: AuraWeave™ - Customized
Project : Emergency Medical Services (EMS), Baton Rouge, USA
Architect: Remson | Haley | Herpin Architects
Product : SI-Clad™
The QCFaçades SI-Clad™ system is an open joint cladding system that is based on ventilated façade technology. Screw fix installation of the roll formed single skin cassettes is made easy by using a universal profile which lock each panel into place. This quick method of installation is unique and has been specifically designed to save time on site.

The SI-Clad™ system forms a smooth and crisp surface with simple and easy detailing. The architect can choose from an extensive range of colors and materials* to further enhance the visual appearance of their project. This unique system is ideal for both high and low rise buildings. A choice of perforated design options encourages the designer to create a decorative and functional finish to the building.

**SI-CLAD™**

**Features**

- Tightly controlled joints - no adjustment necessary after hooking panels on to the substructure
- Endless possibilities for combining colors, materials and finishes
- Create different appearances with perforated panels (cladding, infill, curtain walling and external ceiling tiles)
- Applicable for both exterior and interior applications (walls, soffits etc.)
- Made to measure

*Please refer to pages 36 - 39 for color and material inspiration*
The QC Façades range of QuadroClad® Flex Fins are exceptionally strong, flat and lightweight. They comprise of pre-coated aluminum skins bonded to an expanded aluminum honeycomb core and can be manufactured in a variety of thickness, size and shape which can be curved and folded.

QuadroClad® Flex Fins are extremely rigid - they may be spanned horizontally and vertically and can be fixed to a variety of sub frames. Installation can also be independent of the façade construction with fins engineered to be fitted during or after the build process.

QC Flex Fins

Features

- Quick installation methods with minimum fixings to the building structure
- Inherent strength of honeycomb panel requires limited number of supports
- Large sun-shade fins can be created
- High strength capable of withstanding high wind loads
- Available in a range of standard and customized colors
- No thermal bow in fins by solar radiation due to honeycomb construction

Above: La Liberté, Groningen, The Netherlands
Architect: Dominique Perrault Architecture
Product: QC Flex Fins
Project: Osijek Civil Engineering University, Osijek, Croatia
Architect: Arhitektonska Radionica Peracic & Studio Normale
Product: QCflex Fins

qcfaacades
Project: La liberté, Groningen, The Netherlands
Architect: Dominique Perrault Architecture
Product: QC Flex Fins
MATERIAL, FINISHES
Color the skyline with a sparkling finish
AND SURFACES

Buildings are defined by form and design. Often they are the product of an architect's inspirational vision. At QCFaçades our mission is to help designers realize that vision, by providing them with a palette of colors, materials and surface finishes that will inspire their creativity.

Solid

Take 5 seconds to imagine a world without color. Aluminum can be coated in any (RAL, BS, NCS) color. Colors are available in different gloss units as well as high gloss and matt finishes. At QCFaçades we aim to lead the way in color trend development.

Mica

This range is tailored to create distinctive buildings, which attract attention. These innovative dual-tone finishes contain “mica” coating pigments, which reflect their own color or the basecoat color. This reflection and refraction of light causes a color variation that changes upon viewing angle and incidence of light which can create a myriad of fascinating colors.

Above : Tesco Superstore, Sheffield, UK
Architect: Saunders Architecture + Urban Design
Product : LinearClad™ T

Above : UT-Dell, Austin TX, USA
Architect: Pelli Clarke Pelli Architects
Product : QC300 QuadroClad®
Natural Anodized

Anodising is an electrochemical process that converts the metal surface into a decorative, durable corrosion resistant finish. It is ideally suited to aluminum and the QC Façades range of anodised colors are designed to enhance this finish. Available in a number of colors, ranging from silver and champagne to bronze and black, this enduring treatment improves the strength and aesthetics of aluminum cladding. It also provides easy maintenance and long life in any condition.

 Metallic

QC Façades and their partners are at the forefront of developing a wide range of exciting metallic gloss finishes. Delivering these stunning finishes encourages designers to create an amazing visual appearance to any building’s façade.

Designs and specials

If none of the existing colors match the ideas or design criteria, then our finishing department will work with the architect to create a custom color, finish or special effect that will deliver the finish they require.
Zinc

Architects are increasingly turning to zinc for its, maintenance-free long life and adaptability to various design styles. QCFaçades have a standard range of natural zinc, preweathered zinc and engraved zinc. The latest development allows the designers to experiment with almost any color on zinc, while still maintaining the structural appearance of the material.

Copper

Copper was one of the first metals used by man. It is one of our oldest building materials, with unique properties and characteristics. Copper has earned a respected place in the related fields of architecture and is gaining great popularity in world architecture. The natural development of copper patina is one of its unique characteristics.
Stainless steel

Stainless steel offers the ideal combination of high strength, excellent corrosion resistance and a modern, progressive image. Stainless steel has a unique aesthetic advantage when specified on a project as it will remain in perfect condition throughout the buildings life.

Weathering steel

Weathering steel, also known as Corten, is a beautiful cladding material that naturally rusts over time. Weathering steel offers superior resistance to atmospheric corrosion because of its protective layer, which develops and regenerate.
Hunter Douglas is a publicly traded company with activities in more than 100 countries with over 150 companies. The origin of the company goes back to 1919, in Düsseldorf, Germany. Throughout their history, they have introduced innovations that have shaped the industry, from the invention of the continuous aluminum caster, to the creation of the first aluminum Venetian blinds, to the development of the latest high-quality building products.
ARCHITECTURAL SERVICES
We support our business partners with a wide range of technical consulting and support services for architects, developers, and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colors and finishes. We also help create design proposals, visualisations, and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

Learn More
- Contact our Sales office
- www.qcfacades.com

Unprecedented Protection
LUXACOTE®
for exterior application

Our proprietary coil-coating process ensures Hunter Douglas Façades receives a superb finish. Independent tests have proven the excellent performance characteristics of Luxacote®. The topcoat contains a solid UV filter that guarantees perfect colorfastness and gloss stability. The topcoat also offers better resistance against scratches with a structure that resists and masks any minor damage that may occur during installation, resulting in a high abrasion resistance. The alloy and pre-treatment also offers optimal resistance to corrosion.

Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.

Our paint and aluminum melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminum products are 100% recyclable at the end of their lifecycle.