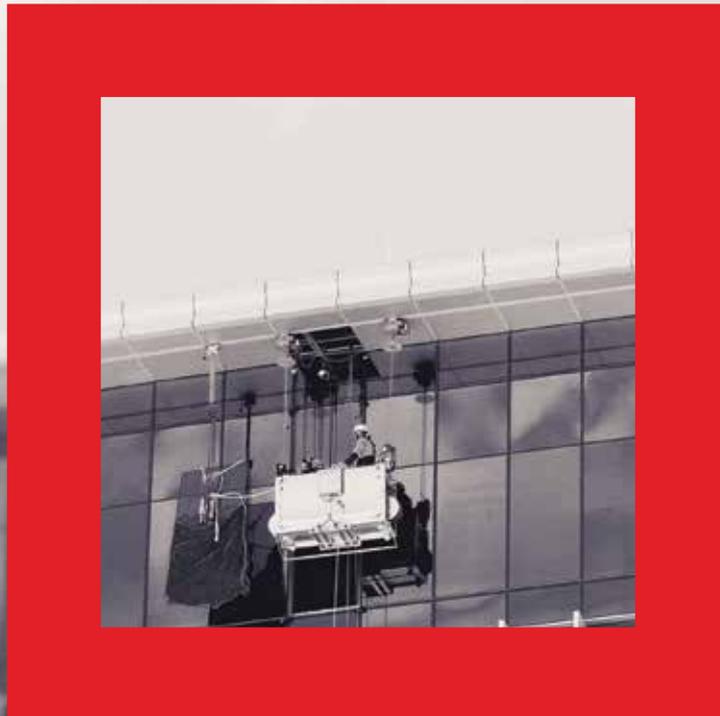


FACADE CONSTRUCTION

Taking the complexity out of building



We live for the challenge

SRG Global is an engineering-led specialist construction, maintenance and mining services group built to solve complex problems across the entire asset lifecycle.

SRG Global was born out of Australia's greatest ever engineering and construction challenge, the Snowy Mountains Hydro-electric Scheme, in 1961. Today, we are an ASX listed company bringing a unique engineering mindset to every construction, maintenance and mining project we touch.

Our specialist technical capabilities, diversified services and global experience working on iconic skyscrapers, bridges, dams, structures, transport infrastructure, mining and oil and gas projects, means there is no complex challenge we can't resolve.

Working across the entire asset lifecycle, we provide bespoke engineer, construct and sustain solutions, meaning you only ever need one partner. We're also self-performers because our team incorporates every discipline and skill required to meet the challenges our customers set.

Few specialist services companies have amassed the same knowledge, developed as many innovations or worked on as many world-class projects as we have. As a result, we have some of the best technical minds and problem solvers, supported by a culture that encourages out of the box thinking and people working together to push boundaries on what's considered possible.

We are also relentless in the way we deliver. We know that people's lives depend on us executing with absolute precision, which is why we never compromise on our systems, processes and safety standards.

We are SRG Global and we're up for the challenge.



Building

Vertically integrated solutions



Civil

Constructing complex infrastructure



Asset Services

Sustaining complex infrastructure



Mining Services

Comprehensive ground solutions



Products

Complementary products and technology





Facade Design and Construction

Finish your building to the highest quality

SRG Global's dedicated Facade division provides bespoke architectural facade and curtain wall solutions to commercial and residential building projects, mixed use developments, apartments, office towers, shopping centres and general high-rise buildings.

SRG Global Facades management team provides over 100 years combined experience in the Facade Design and Construct industry.

Our direct relationship with our offshore manufacturers provides us with in-house control of our supply chain and ensures experience and compliance with our stringent quality and safety standards.

What we do

Design and Certification

Manufacture

Logistics

Management and Installation

Facade Refurbishment

Cladding Replacement

Key projects



Design, Testing and Certification

Design and Shop Drawings

SRG Global provide detailed construction and fabrication drawings which show proposed material, shape, size and assembly of the parts and how the entire unit will be installed.

SRG Global offer design assistance to architects and clients providing input at the early design stage to facilitate an economical design solution for each individual project.

Engineering Calculations and Certification

Our engineering design and certifications are provided by local Australian building engineer certified practitioners. Technical and performance requirements of each project are addressed meticulously and performed in accordance with project specifications and Australian Standards.

Thermal Analysis

SRG Global also undertake thermal analysis of our facade systems to ensure a high level of sustainability in our buildings. Consideration is given to heating, ventilation, solar gain, building use, choice of materials and building form, amongst others. Our systems incorporate thermal separation of facade components between internal and external where necessary to obtain the required internal conditions and optimum energy efficiency.

Testing

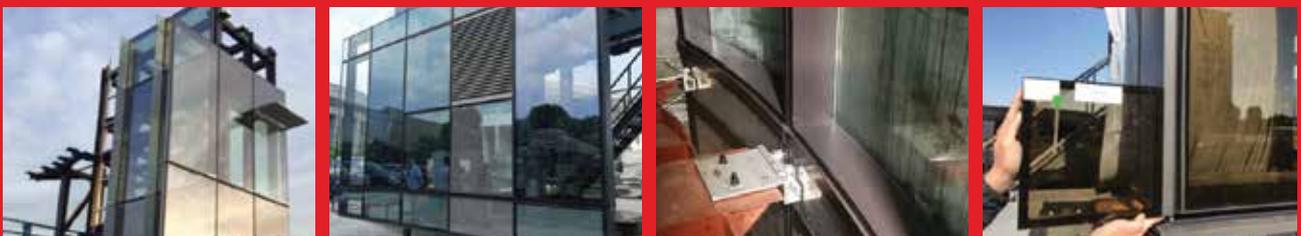
Testing is performed in accordance with Australian Standards to assess its performance and compliance to the project's specifications. Tests include air leakage, infiltration, wind loading, pressure loading, water resistance, penetration and tightness.

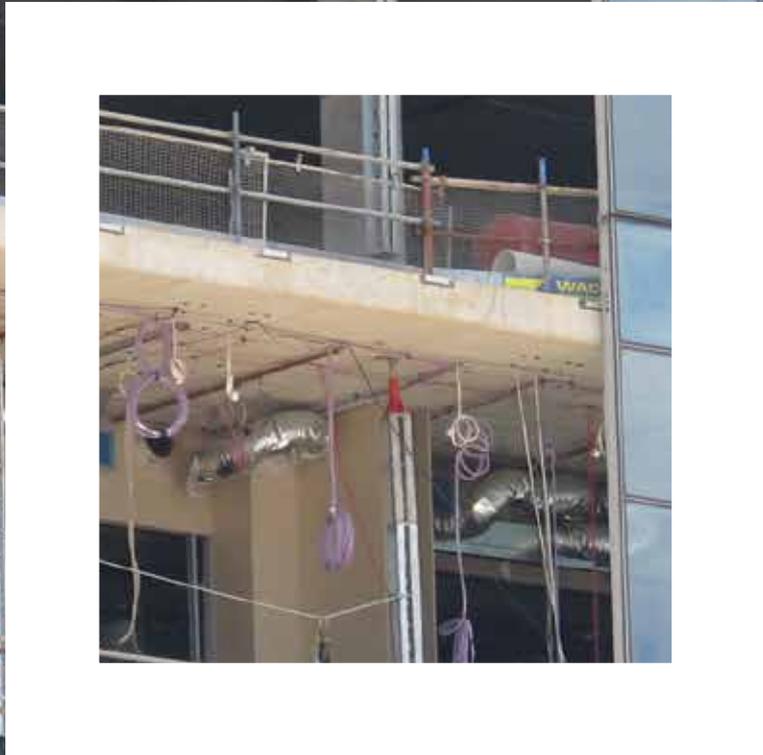
Water Penetration under Static and Cyclic Pressures

Water is sprayed over the external face of the test specimen by a multi-branch valve system and the flow rate monitored by an electronic meter. This is undertaken to observe any water leakage or uncontrolled water on the interior surfaces at any time during testing.

Design and Certification Process

- Concept design
- Shop drawings
- Engineering calculations
- Facade test detailing and test procedure
- Material selections
- QA plan and Inspection Test Plans
- Design certification







Facade Manufacture

In-House Manufacture

SRG Global has three dedicated manufacturing facilities in China.

Plant 1 - Shanghai Jinbo

- Staff 120-140
- Production Line 2 offs
- Capacity 80,000 - 100,000m²

Plant 2 - Shanghai Meite

- Staff 100-140
- Production Line 2 offs
- Capacity 80,000 - 100,000m²

Plant 3 - MeiQiao

- Staff 60-80
- Production Line 1 off
- Capacity 40,000 - 50,000m²
(2nd production line under planning)



Workshop

Fabrication machine
End milling machine
Angle cutting machine
Copy milling machine
Bending machine
Punch machine
Bevel cutting machine
Facade assembly line
Unitised panel glazing

Raw Materials

Extrusion and steel
Hardware and consumables
Glass
Cladding

Fabrication

Glass glazing
Glass cutting
Glass edging
Frame bending
Frame angling
Frame cutting
Frame assembly

QA / QC

Coating thickness
Glossiness
Glass evenness
Glass argon
Glass line
End check
Structural sealant
Butterfly
Compatibility
Finished product check

Logistics

Storage
Packing
Loading
Freight

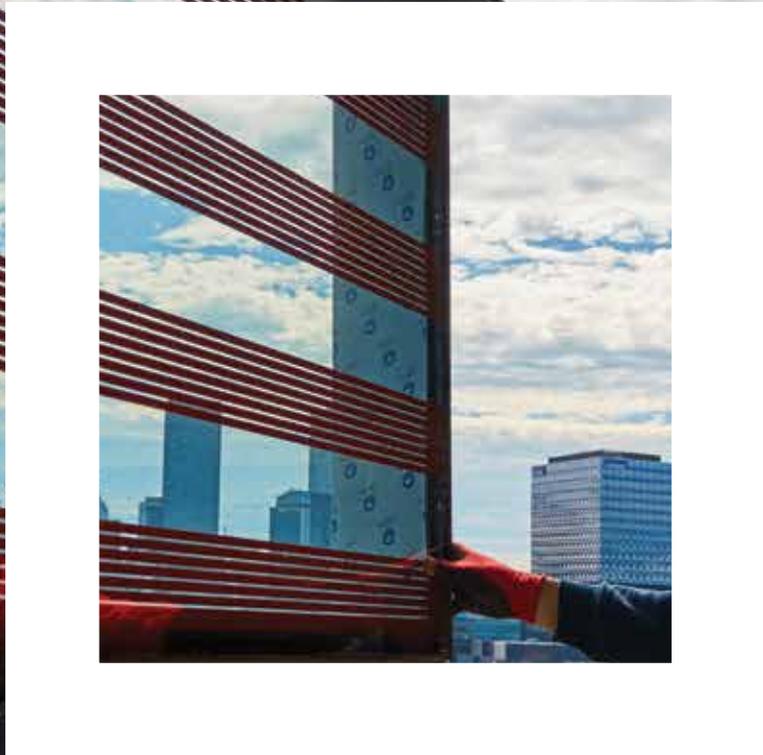
Management and Installation

SRG Global's Facades division provide the highest quality management and installation of your architectural facade and curtain wall projects.

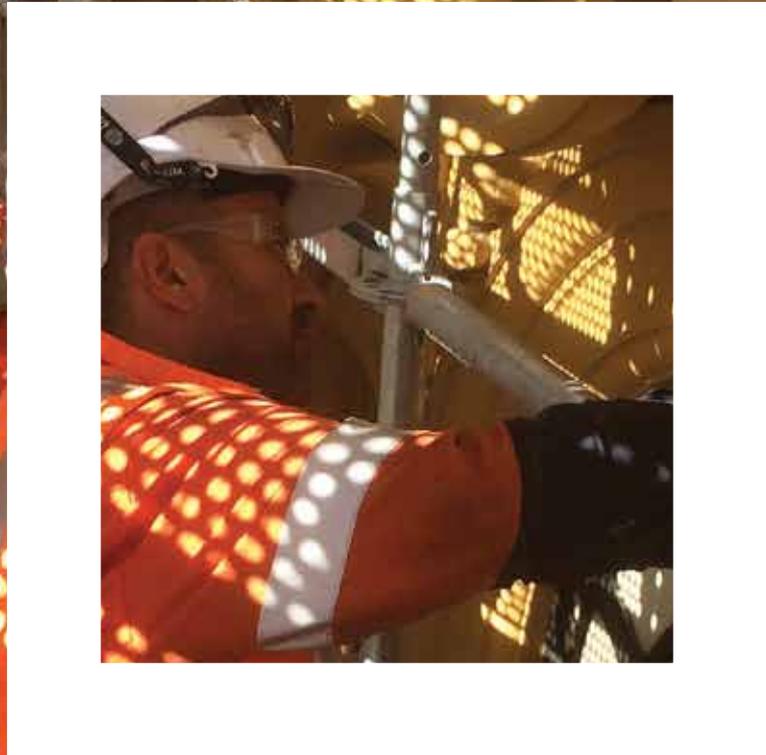
Our experienced team provide:

- Project Management
- Site Supervision
- Site Delivery and Handling
- Site Installation and Glazing
- Onsite Inspections and checks
- Final Inspections
- Warranties





aurecon



Facade Restoration

Facade refurbishment specialists

SRG Global has extensive experience in facade remediation project including heritage structures. We are able to offer a unique end-to-end solution including design, engineering, manufacture, access, installation and project management for your facade project.

SRG Global has delivered some iconic facade refurbishment projects including Palais Theatre and Flinders Street Station in Melbourne.

SRG Global's Facade Restoration services include:

- Detailed examination and reporting
- Reinstatement of weather sealing
- Window system replacement
- Precast concrete repairs
- Cladding replacement
- Masonry spalling or cracking
- Lintel replacement
- Decorative finishes and surface coatings
- Concrete and render repair



Cladding & Facade Replacement

SRG Global's Facade Refurbishment division provides a complete end-to-end solution for cladding and facade rectification and replacement projects. SRG Global provide design, engineering, manufacture, access, installation and certification services ensuring the upgraded facades meet the highest standards, removing and replacing faulty and damaged cladding.

Since the tragedy of London's Grenfell Tower fire, there is global concern surrounding the safety of cladding products, especially aluminium composite panel (ACP) with polyethylene (PE) core. Comparisons have been drawn with Melbourne's Lacrosse Building and the Torch Tower in Dubai, which have further focused the world's attention on the fire safety of high-rise buildings particularly if PE cored ACP cladding has been used.

Compliance Obligations

It is of great concern to authorities, insurers, owners and occupants that a vast number of buildings in Australia and throughout the world, have been identified as having flammable external cladding which severely compromises the buildings fire safety and therefore requires urgent rectification. Australian authorities, both Federal and State are legislating to require that existing buildings are audited for flammable cladding and if found it must be rectified to comply with current regulations.

Investigating, identifying and rectifying defective facades and cladding, especially on high-rise buildings poses many challenges and risks, including assessing the true extent of works, safe access and methodology, ensuring the protection and safety of occupants and the public below or in the vicinity of work zones, minimising inconvenience all whilst undertaking the works in a timely and efficient manner. This is where the breadth of expertise and services provided by SRG Global is an advantage.

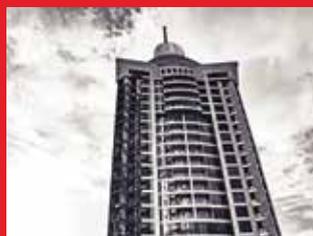
Cladding Replacement

SRG Global utilise compliant cladding material for all building facades. Critical elements of such projects include logistics, engineering, management, scaffolding, hoarding, public protection, traffic management and hoisting, which are all performed by SRG Global in-house. We have extensive experience in facade refurbishments as well as facade refurbishment projects. SRG Global has a proud history of delivering building facade installation and refurbishment projects throughout Australia.

We have worked on many large-scale complex commercial and residential projects throughout Australia's major CBD markets. We are well equipped to undertake projects whatever the location or difficulty. Our proven track record and experience, as well as our focus on safety, quality and the environment ensures SRG Global are the right people for the job.

SRG Global's Cladding and Facade Replacement services include:

- Solve complex problems
- End to end solutions
- Detailed examination and reporting
- Design, engineering and logistics
- Replacement of faulty cladding and facade components
- Installation of new compliant non-combustible cladding
- Window repair and replacement
- Concrete and render repair
- Scaffolding and access
- Compliance certification







Our global footprint

srgglobal.com.au

CORPORATE HEAD OFFICE
Level 1, 338 Barker Rd
Subiaco WA 6008
+61 8 9267 5400
info@srgglobal.com.au

**MAKING
THE
COMPLEX
SIMPLE**