

COLAB.

FAÇADES CLADDING CURTAIN WALLS

SPECIAL FEATURE

- Frontek Australia
- Colab Façade
- Olam® Clad
- Atelier JV



COLAB FAÇADE NOT JUST A FAÇADE COMPANY



With a proven ability to deliver the most intricate large-scale architectural façade projects, Colab Façade has earned our position as one premier façade contractors in Australia.

Colab Façade has professional inhouse teams providing design, engineering, fabrication and assembling services for façade projects of all dimensions and complexity.

Highlighting Colab Façade's capability is performed for Multiplex at 80 Collins Street Melbourne, one of the most architecturally ambitious projects in the Melbourne CBD. 80 Collins is a \$1.40 billion mixed-use luxury development spanning up to 43,000sq m of office space and a 255-room hotel with 38-level towers.

Colab Façade provided a total façade solution for the unique structure. From the earliest discussions with the builder through the concept design and engineering stages then on to fabrication, delivery and installation, the Colab team

provided a unified one-stop-shop management process. "We can leverage our extensive experience on countless major projects to deliver architectural aspiration and the highest-quality façade," explained Directors, Trent Carolan and Kevin Khang.

Colab Façade has built an Australian team of 135 headquartered in Melbourne, with a branch in Brisbane. We also have an office in Shanghai China, with fabrication undertaken in China. Colab Façade has built a strong relationship with Australia's largest builders including Multiplex, Probuild, ADCO and Crema.

Contact Colab for more information. Colab Façade, www.colabbuild.com, 03 8578 3298, trent@colabfacade.com, kevin@colabfacade.com, 34 Bonview Circuit, Truganina VIC 3029

ATELIER JV: EXCELLENCE IS EXPECTED

CASE STUDY:

Building a New Museum for Perth

CLIENT : Government of Western Australia
 ARCHITECTS : Hassell + OMA
 MAIN CONTRACTOR : Multiplex
 FAÇADE SUBCONTRACTORS : Com-AI Windows;
 ABS Facades; ASA Windows
 FAÇADE ENGINEER (CONSTRUCTION) : Atelier JV

We first came across this project in early 2014 when the State Government put out a tender for the formation of a design review panel for the new museum which was only in its feasibility design stage at the time, prior to the appointment of the design and construction team.

As such an exciting and important project for Perth we followed the developments with keen interest and a desire to be involved in the project. It was such a pleasure then to be engaged by the façade subcontractors, not just for one package, but to be able to design the full envelope of the building from cladding, veil and screens to glazing and soffits.

The synergy that this provided, having a single façade engineering practice across multiple packages meant that the design process was able to be coordinated very efficiently in one office.

Atelier JV had learnt from experiences gained in the design of some of Perth's other recent landmark buildings such as Yagan Square and the Perth Airport and were able to bring to the project a wealth of experience.

Working with Com-AI Windows; ABS Facades; ASA Windows; Multiplex, Hassell and OMA was a pleasure in what became a very proactive and collaborative design environment, and this is seen in the elegance of the results onsite.

Our sister company Design3 carried out the shop detailing for Com-AI's glazing package and being co-located in the same office brought further advantages to the process.

The overall scale of the museum disguises the length of the mullions which top out at around a 9.5m clear span. The Reynaers aluminium stick mullion system was used for the glazing to elegantly span these tall spaces

in a 60mm wide mullion with a 250mm deep body. The glass is a mixture of clear where it is behind veils and the striking gold and silvers of the glass that is in full view, these colours being introduced to the glass makeup by the use of Sefar's metallic mesh interlayers within a 10mm laminate as part of the IGU.

In the cladding, many hours of complex finite element modelling and analysis were employed to check the veil that drapes around the building for the applied loads. A wind tunnel was conducted on the building which enabled us to stiffen only the high wind zones of the South West and leave the other veil panels unstiffened, their simple hook-on design making them easy to install.

CASE STUDY:

Belmont Hub showcases Bold Architectural Façade Designs

CLIENT : The City of Belmont
 ARCHITECTS : Bollig Design Group
 MAIN CONTRACTOR : PACT Construction
 FAÇADE SUBCONTRACTORS : Com-AI Windows
 FAÇADE ENGINEER : Atelier JV

Gently curved and leaning the glazed façade of the Faulkner Civic Centre Belmont Hub formed a subtle conical shaped façade. The end result has been a successful architectural building creating a sense of place for the Belmont community.

3D point cloud scanning was employed on this project to identify any potential clashes with structural elements prior to installation onsite. The 3D point cloud surveys allowed us to optimise the set out of the façade to achieve the architectural design even where unforeseen coordination challenges arose.

The glazing on this building supported a selection of shading devices directly off the mullions and these included a 1.8m wide canopy cantilevering off the ground floor mullions.

For more information contact Atelier JV, 123 Aberdeen Street, Northbridge WA 6003, phone 08 9228 9120, email info@atelierjv.com.au, website www.atelierjv.com.au



BRINGING SAFETY BACK TO CLADDING

OLAM® Clad is a cladding technology company that offers world class cladding products engineered to the highest industry standards. The OLAM® Clad system was developed through several years of research, development and testing and incorporates a wide range of engineered solid aluminium material (SALM) cladding.

OLAM® Clad believes that every building can be cladded aesthetically with modern design while guaranteeing safety and sustainability. This belief has driven the development of the product range OLAM® Clad offers.

Compared with typical aluminium composite cladding, the OLAM® Clad system is designed with Australia's challenging weather in mind, being completely non-combustible and fire retardant, and can withstand higher wind load capacity of 3.5kPa. All the products in the system are certified to AS1530.1 and AS1530.3 and compliant with NCC (National Construction Code) 2019. OLAM® Clad also offers up to a 30 year warranty on the mill finish panels.

As well as being a high performing, fully certified system, the OLAM® Clad range has been specifically developed to offer an interesting design solution that adds aesthetic value to projects. The system incorporates 15 individual and fully interchangeable extrusion cladding suites, offering a myriad of façade design features.

OLAM® Clad products are assembled with mechanical fasteners and incorporate no adhesives or sealants. They feature an innovative inter-lockable clip-on technology that facilitates quicker and easier installation.

Combined with the wide variety of colours and finishes that are available, OLAM® Clad offers nearly limitless design possibilities. The company also offers the ability to customise external cladding features to provide even greater design flexibility.

OLAM® Clad products are suitable for both internal and external cladding applications on new build projects as well as recladding of existing buildings and structures. OLAM® Clad also provides non-combustible roofing, interior ceiling and partition cladding applications.

OLAM® Clad can also provide guidance and technical advice on the most cost effective approach to remove existing cladding and install new cladding to comply with the requirements of NCC 2019.

Based in Brisbane with offices in Sydney, Melbourne and Adelaide, and proudly Australian owned, OLAM® Clad has built a strong reputation as a world class cladding system with architects and engineers and throughout the Australian construction industry, with design, manufacture and fabrication, testing all carried out in Australia.

“We fabricate everything ourselves which differentiates us from some of the other products on the market,” said Santosh Rodrigues, General Manager. “It gives us total control over the quality process and being done in Australia it gives our clients confidence that we can supply on time and to the highest quality standard.”

The flexibility of the OLAM® Clad system makes it suitable for application on a vast range of project types, examples of which include major residential and mixed-use developments Hunter Werribee in Victoria, Gallery House in Queensland, and East End Apartments in South Australia.

OLAM® Clad products have also been used on a diverse range of other projects nationwide including the Tailem Bend Motorsports Park, the Australian National University in Canberra and the redevelopment of Campbelltown Hospital in Sydney.

The company's team of engineers have over 100 years combined experience in the façade and cladding industry and this is reflected in the innovative, industry leading products they have developed in close collaboration with architects and façade designers.

The combination of total design flexibility, full certification and Australian manufacturing practices makes OLAM® Clad Australia's number one provider of safe wall cladding for both exterior and interior applications that can add immense value to the project.

For more information contact OLAM® Clad, phone 1300 00 OLAM, email info@olamclad.com, website www.olamclad.com



Frontek Porcelain Cladding

Made in Spain - Non Combustible



Macquarie University Student Accommodation – Architectus - FDC Construction & Fitout



Frontek has 20 years of experience in producing cladding products backed up by 100 years of ceramic production by their parent company, and are a leading supplier of high tech extruded ceramic cladding products globally. With an inhouse technical department Frontek supports the design and engineering of projects from day one, defining the installation solution and working with architects to make their projects a reality.

Frontek caters for the Australian demand for innovative building products and can supply projects nationwide.

Recent projects:

- + The University of Sydney Susan Wakil School of Nursing and Midwifery by Diller Scofidio + Renfro + Billard Leece Partnership
- + King and Phillip Residences by FJMT Architects
- + Archibald Bondi Junction by UP Architects + KANNFINCH
- + Goulburn Hospital Redevelopment by STH Architects
- + 447 Collins Street Melbourne by Grimshaw Architects

High durability: Frontek panels are extremely hard, resistant to weather and long lasting with low water absorption.

Suitable for diverse applications: Frontek offers a range of surface treatments including polished, natural, wood, stone, metal and textured finishes with different sizes and colours available to bring a unique design to every project.

Quality and precision: Frontek panels are made in Spain to the highest quality and accuracy.

Competitive in price: Frontek offers excellent value with premium quality at a competitive price compared to other façade products.

Guaranteed compliance: Frontek panels are non-combustible and have been tested in Australia to certify compliance with all relevant AS/NZS including seismic performance.