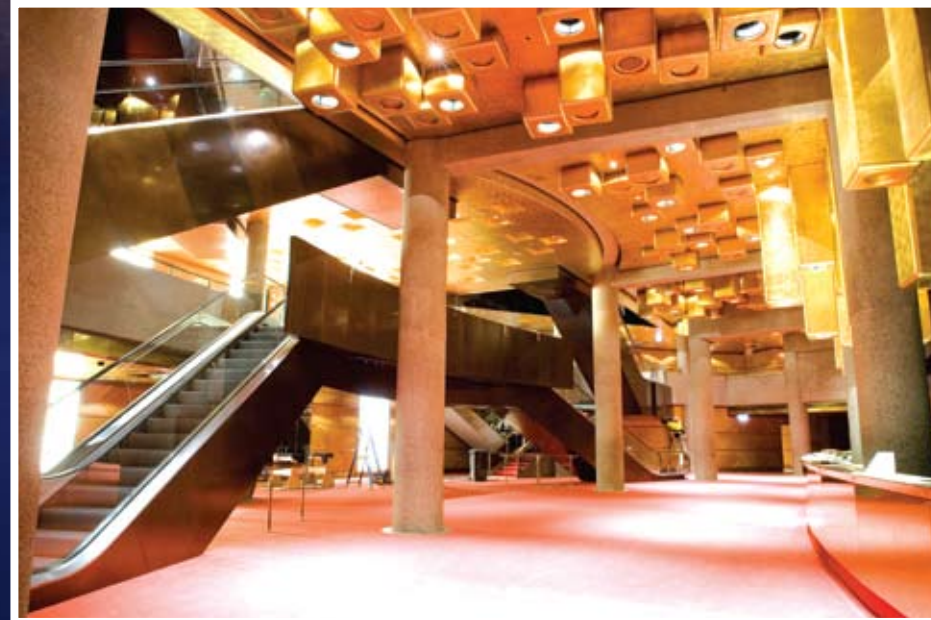
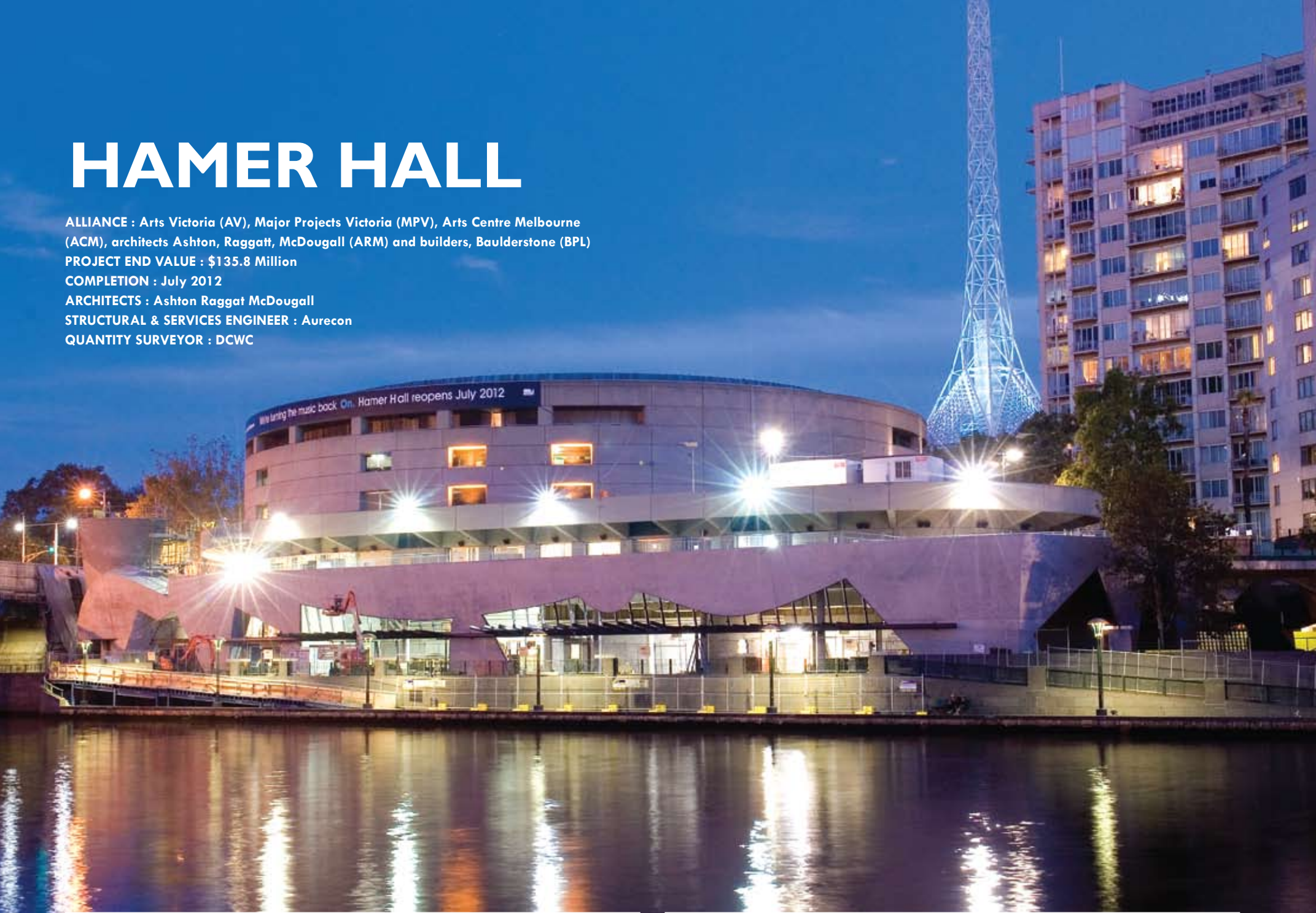


HAMER HALL

ALLIANCE : Arts Victoria (AV), Major Projects Victoria (MPV), Arts Centre Melbourne (ACM), architects Ashton, Raggatt, McDougall (ARM) and builders, Baulderstone (BPL)
PROJECT END VALUE : \$135.8 Million
COMPLETION : July 2012
ARCHITECTS : Ashton Raggatt McDougall
STRUCTURAL & SERVICES ENGINEER : Aurecon
QUANTITY SURVEYOR : DCWC



A TRULY ICONIC VENUE

Baulderstone is one of Australia's leading building and engineering companies, and has built a strong reputation for delivering first-class projects, including many well-known and iconic structures, including Sydney Opera House, Brisbane's Story Bridge, Etihad Stadium in Melbourne and the Adelaide Convention Centre.

Along with its Alliance partners, Arts Centre Melbourne, Major Projects Victoria, Arts Victoria and architects Ashton Raggatt McDougall, Baulderstone has recently completed the redevelopment of Hamer Hall, Melbourne's premier concert venue. The project is the first stage of the Southbank Cultural Precinct Redevelopment, which aims to breathe new life into this vibrant and cultural community hub.

Located on the banks of the Yarra River, Hamer Hall was closed for two years and re-opened in July this year amid great celebrations, showcasing improved facilities for artists and audiences alike, as well as a brand new face overlooking the river.

The \$135.8m redevelopment has created a new outward-facing venue that integrates seamlessly with the local public spaces and river, attracting many more people to the venue and surrounding area. The extensive project, which has enhanced visitors' and performers' experience, included:

- The installation of more than 2,500m² of external bluestone pavers.
- Substantial demolition works over six months including a total of 3,939 tonnes of concrete and 1,645 tonnes of steel removed for recycling.
- New civic stairs between St Kilda Road and the river level, including additional 24 hour lift access.
- Complete refurbishment and installation of 2,464 new seats in the main auditorium.
- Complete refurbishment of new front-of-house facilities and expanded foyers.
- Completion of the venue's internal protection works.
- The re-opening of the St Kilda Road level terrace for public access.

Another major feature of the refurbishment was to provide a new technical zone to significantly enhance Hamer Hall's acoustics and improve the lighting and staging facilities. To achieve this, the Alliance constructed a 30 metre high scaffold, built entirely inside the subterranean venue, whilst a crane was used to haul a massive 70 tonnes of steel to build the technical zone's frame.

Not only does the new, state-of-the-art zone discreetly house equipment, it also allows specific acoustic elements to be lowered and raised through a series of panel doors, thereby supporting a wide range of performance styles. Additionally, these panels can act as auditory reflectors to offer audiences and performers world-class acoustics.

Throughout the redevelopment, the Alliance took great care to preserve many unique heritage aspects of Hamer Hall, within both the foyers and the auditorium. This involved a thorough and rigorous process, to ensure that the venue's features were treated sensitively throughout the construction stage.

The Victorian Government describes Hamer Hall as a vital piece of infrastructure, important to Melbourne's wider community, and the redevelopment has delivered a world-class arts and culture precinct, which supports the local economy and created hundreds of jobs for local residents.

Working collaboratively, the Alliance has enhanced the heritage and character of this Melbourne landmark, making it more accessible than ever before and creating an important cultural legacy for Australians to enjoy for many years to come.

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USING THEIR SERVICES TO ADVANCE MELBOURNE'S CULTURAL SCENE



Established in 1994, AM Metal Solutions is a full service manufacturer and installer of high quality, architecturally designed metal work. With their demonstrated experience and breadth of skill in large projects, as well as smaller specialised and highly crafted pieces, AM Metal Solutions pride themselves in the level of service, quality and architectural solutions they offer and work closely with building contractors, design staff and architects to deliver outstanding project results.

At AM Metal Solutions, the design and production of all projects are completed in-house, with the team of highly skilled technicians using their state-of-the-art manufacturing and design technology expertise. In addition, AM Metal Solutions are able to offer full engineering support, as well as design and construction for all their products, giving particular emphasis to value for money and quality throughout the entire planning, production and installation process.

Given their extensive experience and renowned reputation within the building and construction industry, AM Metal Solutions have

manufactured and designed for modern residential apartment complexes, retail and commercial spaces, as well as other cultural facilities, the team from AM Metal Solutions was also recently involved on the SCPR Hamer Hall redevelopment in Melbourne.

This significant \$128.5 million redevelopment is part of a long-term vision to transform the Arts Centre and its' surrounds into a cohesive and well-integrated centre for public participation in the arts. As part of the Victorian Government Alliance, made up of Arts Victoria, Major Projects Victoria, the Victorian Arts Centre Trust and architect, Ashton Raggat McDougall, the project incorporates improved amenities, new stairs, escalators and lifts, new and expanded foyer spaces and enhanced acoustics and staging systems within the auditorium.

Mick Burnell, Managing Director of AM Metal Solutions, said that throughout their involvement on the SCPR Hamer Hall redevelopment, his professional team had been responsible for the procurement and installation of Bronze Architectural Woven Mesh

to the Stage Rear Wall and Ceiling Surrounds that was specifically required for the Hamer Hall redevelopment. The Bronze Mesh was provided by "the Inox in color" in Barcelona Spain.

"Whilst working on this project we provided a complete installation service, from preparation of the site health and safety plan, method and risk assessment to the erection of the Architectural Mesh, using our team of fully qualified operatives," Mr Burnell said.

"Due to the fact our high quality installations consistently provide the foundation for product reliability, availability and serviceability, as well as the fact our team gives particular emphasis to product quality throughout the entire production and installations process, we were able to get the job done, in both a time and cost effective manner for the client, "he said.

In addition, the dedicated AM Metal Solutions team liaised closely with the Victorian Government Alliance partners and other trades involved, to ensure the work they carried out onsite caused minimal

disruption to the construction process and that it was completed to the utmost satisfaction of the client.

"As of our growing nationwide reputation of excellence in being able to provide solutions for architectural metal fabrication and installation, regardless of the size or scope of the task at hand, we were once again able to deliver optimum, first class results to our clients," said Mr Burnell.

"As a result, the SCPR Hamer Hall has become a major new cultural attraction for Victoria. Without a doubt, it was a project AM Metal Solutions thoroughly enjoyed working on and we are looking forward to working with Baulderstone again in near future, "he said.

AM METAL SOLUTIONS

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WETSPOT WATERPROOFS AND TILES FOR THE BEST

Founded in 1998 and employing more than 50 full-time staff, waterproofing and tiling contractor Wetspot Consolidated has grown to become one of the largest and most trusted companies in its field throughout Victoria, Queensland & South Australia.

The company is now well-established throughout Australia, and has worked on a number of Melbourne's most prestigious projects including the Commonwealth Games Village, Melbourne International Airport T2 expansion, various projects at Crown Casino, and waterproofing the hydrotherapy pools at the Royal Childrens Hospital.

Currently Wetspot is contracting on the Southbank Cultural Precinct Redevelopment (incorporating Hamer Hall) – a venture to re-invigorate a cultural and community hub and give Melbourne an open, accessible, vibrant and imaginative precinct and which connects people to the arts.

\$128.5 million has been allocated by the Victorian Government for the redevelopment of Hamer Hall and its surrounds.

The Redevelopment of Hamer Hall will encompass new connections with the city, St Kilda Road and river, and a spectacular new outlook to the city; better amenities with new stairs, improved disability access, escalators and lifts; new and expanded foyer spaces; improved acoustics, new auditorium seating, cutting edge staging systems and technology; and, contemporary approaches to sustainability including power generation and waste and water management.

The core of Wetspot's business is the application of waterproofing membranes and related provisions for a variety of commercial and residential projects and applications. Internally, this includes the sealing of



wet areas for reasons of practicality, legality and also for aesthetic longevity/appearance retention. Whilst balconies are a constant source of work externally the company also does a large volume of industrial rooftops. Using specialized, exposed, trafficable membranes the site is first assessed before providing the appropriate solution.

In addition to providing waterproofing solutions Wetspot also provides tiling and stone solutions, including a separate facility for the processing of both natural and engineered stone. This includes a hi-tech waterjet cutting machine as well as the latest multi axis bridge saw capable of manipulating and precision cutting large slabs of stone with high speed and accuracy. These machines have been used extensively for the majority of Melbourne's major projects including the iconic Hamer Hall precinct, for which Wetspot carried out all internal & external waterproofing, tiling and stone works.

Wetspot supplied and installed a variety of products, including specialised waterproofing techniques to lift pits and internal wet areas. The Wetspot team installed Bisazza mosaics for bathroom floors and large 3m sheets of Cotto D'Este Kerlite porcelain wall tiles to bathroom walls. Wetspot also supplied and installed Antique Brown granite throughout the ground floor main lobby and feature staircases. The internal feature stairs were specially processed and inlayed with Giallo Veneziano granite to give it a contemporary feel whilst seamlessly integrating with the opulence and grandeur of the heritage-listed interior.

Wetspot Consolidated's stated company objectives ensured that the Victorian Government could be confident of the contractor delivering the right service in a timely fashion – 'that Wetspot ensures our clients projects are successful and meet time frame, cost and quality targets; establishing a solid and professional relationship with our clients by satisfying client objectives; increasing profit efficiency, performance and cost-effectiveness by continuously improving our systems and construction methods; and, providing employment opportunities by expanding company resources'.

Director of Wetspot, Justin Davis adds, "At Wetspot Consolidated, our focus for over the next five years is the environment. By working closely with our suppliers, our goal is to establish products that contain low VOC's (volatile organic compounds) and that carry a green star rating."

The Wetspot management team has between them more than 40 years of industry experience and the hands on approach adopted by all staff, including management, ensures that clients can have a high degree of confidence in the progressive contractor. Senior project manager Frank Fiore oversaw Wetspot's work on the Hamer Hall project along with director Justin Davis.

The Wetspot team worked closely with the management team of Boulderstone, drawing on the expertise of Peter Cranwell, John Angelovski, Richard Bailey, Michael Crestani and Darryn Whittaker. Boulderstone site managers Ian Higgs, Peter Boszac, Andrew Minty, Fiona Lloyd, Simon Helyer, John Shelley and Sarah Landsberger completed the collaboration, providing the perfect complement to Wetspot's project squad, in what is hoped to be an ongoing association.



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ADDING HARMONY TO THE PROJECT

With a leading reputation in relationship contracting, Alchimie is a management consultancy company that incorporates a range of strategic planning and implementation services across all project phases.

Focusing on the delivery of step-changes in results and developments that sustain successes, Alchimie have worked for a variety of sectors such as road, water, buildings and rail.

Given their wealth of industry expertise, Alchimie were also involved on the \$128.5 million Hamer Hall redevelopment, which was a Victorian Government Alliance Project between Arts Victoria, Major Projects Victoria, the Victoria Arts Centre Trust, Baulderstone and architects, Ashton Raggat McDougall.

Senior Consultant, Matthew Geake, said during their involvement, Alchimie was responsible for providing implementation strategic advice, facilitation and coaching throughout the project development phase.

“This particular performance framework included our commitment to ensuring a financially feasible project that focused on making every dollar work,” Mr Geake said.

“We also delivered a manageable alliance framework for the architects, using our specifically tailored ‘Limb 2’ arrangements in order to suit their needs,” he said.

Although the project suffered setbacks, such as a tight budget, coordination issues relating to the multi-party Alliance and funding uncertainties, the Alchimie team adopted a range of innovative strategies, such as KRAs and KPIs, to ensure desired project results were achieved.

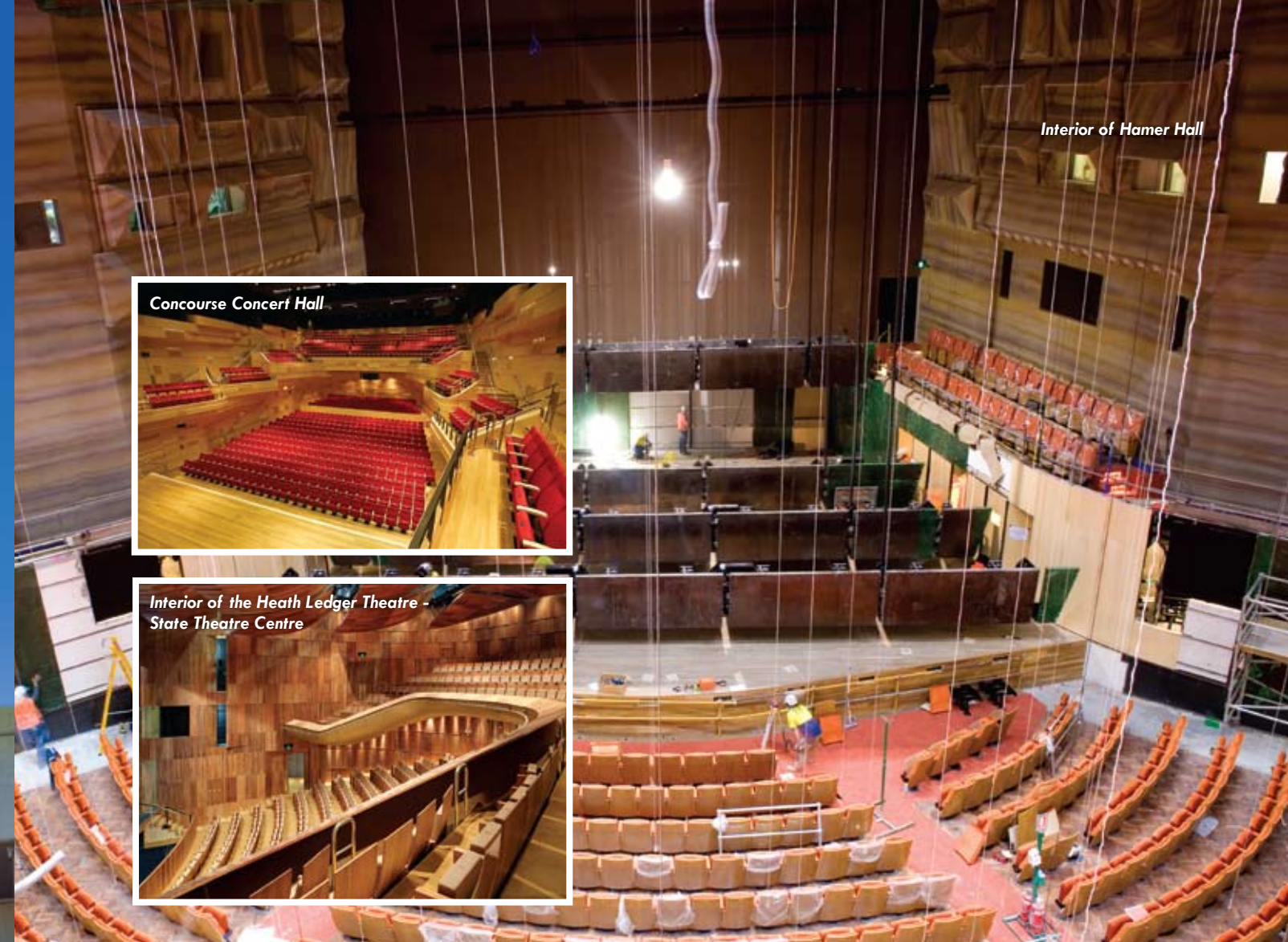
“Without a doubt, the development of the KPIs and KRAs for Hamer Hall was one of the most thorough processes to date,” Alchimie's Managing Director, Andrew Hutchinson said.

“We also applauded the fact an entire KRA was focused on commercial operational outcomes, as this effectively linked the financial return of both architect and builder to the success of the retailers and other stakeholders within the redevelopment precinct.

“This should result in the efficient completion of the project and optimum results for all parties involved,” he said.

Given their success rate in providing procurement strategy advice and ‘next level’ performance services, Alchimie is without a doubt the management consultancy company that will bring your next project to fruition.

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TURNING UP THE SOUND

Marshall Day Acoustics is Australia's most experienced and respected acoustic consultancy. Although specialising in architectural acoustics, Marshall Day is also widely recognized for other services ranging from theatre planning and design to environmental noise assessment and vibration control.

Having been recently involved in a wide range of projects including the Concourse Concert Hall and Theatre in Sydney, State Theatre Centre, Perth and Guangzhou Opera House in China, Marshall Day Acoustics was engaged with Kirkegaard Associates from Chicago to provide acoustic consulting services for the Southbank Cultural Precinct Redevelopment.

“Whilst conserving the heritage designed interiors, this project addressed long-standing flaws affecting the presentation of non-amplified and amplified concerts and aimed at improving the acoustics in the auditorium as well as in the new foyers. The project also considered sound insulation and noise control for the entire building,” Dr Scelo, Project Manager.

“Concert Halls are specialised buildings that call for a meeting point between arts, architecture and science. We used a systematic approach based on our fundamental knowledge of acoustics and developed unique, tailor-made solutions for the Hall's redevelopment,” he said.

The use of Hamer Hall has changed since it opened in 1982. There is an increased requirement for Hamer Hall to be used for amplified music requiring improved operational and acoustic flexibility.

“The overall acoustic solution consists of numerous modifications, such as the replacement of acrylic dishes with superior reflector panels over the stage, the reshaping of walls, used to favour the transfer of sound between stage and auditorium, and the reduction of the excessive width of the hall at stalls level,” Dr Scelo said.

“Furthermore, sections of the balcony arms were removed to open up the flow of sound and a new, improved seating configuration was designed to provide greater universal access.

“The effects of these changes have been designed to complement each other, as well as improve the audience and musician's aural experience in the auditorium,” he said.

With an outstanding reputation as a leading acoustic consultancy practice, it is without a doubt Marshall Day Acoustics will continue to deliver creative design solutions of the highest quality in Australia and overseas.

MARSHALL DAY
Acoustics

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LEADING THE WAY IN COMMERCIAL GLAZING & ALUMINIUM WORKS

Located in Melbourne, Heritage Glass Products is a company that specialises in delivering leading commercial glazing and aluminium works. Able to offer their clients a range of design and construct services, Heritage Glass Products have been involved on a number of significant projects throughout Victoria and more recently, provided their wealth of knowledge and expertise to the SCPR Hamer Hall redevelopment.

This \$128.5 million Victorian Government Alliance Project is part of a long-term vision to transform the Arts Centre and its surrounds into a cohesive, accessible and well-integrated centre. Completed in June 2012, the project incorporated improved amenities, new stairs, escalators and lifts, new and expanded foyer spaces, as well as improved acoustics in the auditorium with new seating, cutting-edge staging systems and technology.

Responsible for carrying out a diversified scope of works on the SCPR Hamer Hall redevelopment, Heritage Glass Products completed a range of works such as the specialised stainless steel façade, aluminium and glass shop fronts. They also completed the mirrored walls and escalators throughout the Hall, as well as the entire roof glazing of the canopies.

Although the design and installation of the specialised stainless steel façade was a particular challenging feature to successfully deliver within the limited time schedule, the professional Heritage Glass Products team drew on their years of industry know-how and delivered optimum results to the clients in a timely and cost-saving manner.

They also used their new 24/7 lifts, bronze cladding product that ensured quality project results, which adhered to the specific requirements of the redevelopment.

Given the fact Heritage Glass Products can provide a range of commercial glazing and aluminium services to a diverse range of clients, regardless of the scope or size of the project, their renowned reputation throughout the Australian design and construct industry will, undoubtedly, continue to grow.

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DELIVERING ‘KNOCK OUT’ RESULTS

With more than fifty years experience, Bernie Leen & Son's offer a comprehensive and extensive range of demolition services and as a result, continue to maintain an unrivalled reputation within the Australian demolition industry.

Given the fact they are a licenced Class B Asbestos Removalist and have a significant fleet of EPA registered trucks, Bernie Leen and Sons are able to manage a range of developments, regardless of their size or scope.

Having worked on a number of high profile refurbishment demolition projects, such as Crown Casino and numerous hospitals across Victoria, Bernie Leen and Sons were also involved on the prolific SCPR Hamer Hall redevelopment.

As part of a vision to transform this Victorian Arts Centre and its surrounds into an accessible and well integrated arts and cultural

centre, the SCPR Hamer Hall redevelopment incorporates improved facilities, new foyer spaces and better acoustics and seating in the auditorium.

Tony Leen, Managing Director, said his expert team applied their extensive specialised refurbishment demolition skills to the project.

“Throughout our involvement we carried out the bulk of the refurbishment demolition needs required onsite,” Mr Leen said.

“Using the latest advanced concrete cutting, lifting and pulverising equipment, and our innovative demolition methods and industry experience, we were able to complete our extensive responsibilities in a cost and time effective manner,” he said.

Whilst working on the SCPR Hamer Hall, the skilled team from Bernie Leen and Sons faced the significant challenge of having to carry out demolition across the building's intricate terraced and multi-storeyed levels.

“As a result of our detailed planning and innovative approach, we overcame this obstacle and successfully completed the demolition to the client's utmost satisfaction,” Mr Leen said.

It is without a doubt that their ongoing commitment to delivering quality safe demolition services, in an environmentally sustainable manner, is testament to the continued success of Bernie Leen and Sons within the building and construction industry.



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