



# CROWN CASINO

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# THE JEWEL IN THE CROWN

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CROWN CASINO / Boulderstone



Left The prestigious new interior of the Crown Casino's mahogany room.

**Boulderstone, one of the largest building and engineering companies in Australia, has been "creating what matters" in the building and infrastructure industry for more than eighty years.**

Offering a full range of construction services to support their clients, in both the private and public sector, Boulderstone understand that professionalism and capability are the keys to meeting the needs of the many different building and engineering markets that they serve.

Widely recognised for quality and service excellence in construction, as well as their commitment to bring innovation, quality and timely delivery to every project, Boulderstone has completed many projects with a combined value in excess of \$30 billion.

With a solid portfolio reflecting their technical expertise, size and national presence, Boulderstone continues to demonstrate their strong commitment to forging productive long-term partnerships and alliances within the construction industry.

This is further evident in the fact that some of the buildings Boulderstone has constructed include international and national building icons such as the UNESCO listed Sydney Opera House, Brisbane's Story Bridge, Melbourne's Etihad Stadium, Adelaide's Convention Centre and more recently, the redevelopment of the Mahogany Room at Melbourne's Crown Casino.

Following on from the successful completion of the Crown Metropol Hotel, this particular redevelopment of the Mahogany Room is the fourth consecutive project Boulderstone have carried out for the Crown Casino at their Southbank premises.

This extensive project involved the complete makeover and extension of the high roller gaming area, known as the Mahogany Room, at the eastern end of the Crown Complex. The volume of this room has been increased by almost fifty percent and presents a dramatic new façade overlooking the Yarra River.

The team from Boulderstone was responsible for delivering on time, the staged refurbishment and fit out of the existing Crown Mahogany Room, including the complete redecoration and revamp of the existing V.I.P private gaming salons to the highest international standard.

Boulderstone's scope of work also included the delivery of a 1,500 square metre extension of Level One, which was adjacent to the existing Crown Towers Porte Cochere, and incorporated a premium roof top bar, lounge areas and terraces that all present spectacular views across the Yarra and back into the City of Melbourne.

Further redevelopment elements that needed to be completed by the Boulderstone team, included significant work in the existing basement car park to strengthen footings, two new lift shafts, a roof top plant room, extensive services relocations and external landscaping.

The redevelopment now gives Crown Casino patrons a prestigious access to a new private gaming salon, an increased number of gaming tables and an exclusive 'club' atmosphere, with new non-gaming facilities.

The existing Porte Cochere, although protected with gantries and hoardings was maintained as the major public entry to the building throughout the construction period. The highly skilled and professional team from Boulderstone overcame the challenges presented by maintaining this front entry by promoting an adaptable and responsive approach to project planning and delivery.

As a result, minimal disruption to the Crown's operations occurred throughout the various construction phases.

On completion, Boulderstone successfully fulfilled and satisfied the client's specific requirements for the Mahogany Room's redevelopment and through extensive teamwork, innovative building methods and outstanding leadership, delivered yet another project in a timely and cost effective manner.

From healthcare to power stations, from education facilities to tunnels, Boulderstone set out from the beginning of every project to appreciate not only their client's needs, but also the objectives of the specific project, facility or infrastructure they are commissioned to deliver. As a result, tailor-made services, efficient project management strategies, innovation and successful outcomes are delivered every time.

**For more information contact Boulderstone,** Level 9, South Wharf Tower, 30 Convention Centre Place South Wharf VIC 3006 Australia, phone 03 9684 6111, fax 03 9684 6100, website: [www.boulderstone.com.au](http://www.boulderstone.com.au)

Below EPM&C are specialists in leading edge lighting, security and electrical systems.



**Spectacular lighting is part of a casino's mystique** - EPM&C ensured the redeveloped Crown Casino lives up to this in an energy-efficient way.

As specialists in leading edge lighting, security and electrical systems, EPM&C undertook \$4 million worth of work for Baulderstone, with a scope including supply and install of electrical, security, CCTV and lighting for the Mahogany Room extension; supply and install of a state of the art neon wall on the Casino's façade; upgrade of lighting for the porte coucher; and install and supply of lighting, access control and security control for the redeveloped Crown Towers Hotel lobby.

EPM&C had a team of around twenty on site, including fifteen qualified electricians and five apprentices, for just over twelve months with an incident-free safety record achieved.

"The Mahogany Room installation included 12 huge chandeliers, some over 10m in length, with state-of-the-art LED lights," said EPM&C Director, Robert Wilcox.

"We also installed the access control, security, patron locking and CCTV, which involved in excess of 100 cameras; and eight new subdistribution boards to accommodate the expanded gaming area. The state-of-the-art lighting system uses Phillips Dynalite lighting equipment, and includes 22 new 12 channel dimmers. In total we installed around 4,000 light fittings, many of them energy-efficient LED fittings."

All of the lighting and other electrical systems were Smart Wired by EPM&C (working in conjunction with Honeywell) to a BMS.

Project management is one of EPM&C's core capabilities, and at Crown this attention to detail and logistics was a winning asset.

"The job was done in eight stages, and a challenge throughout was keeping the existing Casino operations going," said Robert Wilcox.

EPM&C have been in business since 1998, with the workforce of 44 including electrical tradesmen who have been with the company since it commenced operations, offering the full spectrum of leading-edge electrical, lighting and security system services to commercial, high end hospitality and recreational projects. Another recent success

at the high end of town was their electrical and lighting work at Marriot Hotel.

There are also three fulltime project managers on staff, and EPM&C offers a project management service to contractors, providing the level of electrical trades expertise and task supervision which ensures safe, top quality, energy-efficient results. Recent project management assignments have included the Domain Tunnel for Transfield and the Multipurpose Stadium for Thiess.

EPM&C are in demand for projects where energy-efficiency is a key requirement. Their work at Crown is ongoing as their team currently completes a Casino-wide upgrade of all the lighting systems to achieve better energy-saving outcomes. EPM&C are also currently engaged by Built for the Green Star refurbishment of the 636 St Kilda Road commercial office development.

EPM&C also offer a highly specialist infrared thermographic service and carries out electrical thermal surveys for projects Australia-wide.

Thermal surveying of wiring, distribution boards, switchboards, CCTV systems and other electrical systems is a highly effective predictive maintenance tool which can identify maintenance issues before they cause a major safety problem or equipment failure. If problems are found, EPM&C then have the full suite of electrical contracting skills to deliver a solution.

The excellence of a company can also be measured in the dedication of its staff, and EPM&C have been recognized with several awards from the 370 Degrees Group as an employer of apprentices, 80 per cent of whom stay on with the company as qualified tradesmen after completing their indenture, continuing the tradition of brilliant work in the electrical game.

**For more information contact EPM & C**, Level 1, 30 Boundary Street, South Melbourne, Victoria, 3205 phone 03 9682 8787, fax 03 9686 7211, email: [admin@empc.com.au](mailto:admin@empc.com.au) website: [www.empc.com.au](http://www.empc.com.au)

Below KMX Interiors provided an extensive range of internal fit outs for the East End of the Mahogany Room.

Below Vertex Engineering used their knowledge and experience to ensure all of the required lifting and handling equipment, was supplied in a safe and cost-effective manner.



**KMX Interiors provides exceptional service and delivery of timely** and superior architecturally designed internal fit outs. Committed to delivering clients with a full and comprehensive range of first class service, KMX Interiors are able to ensure the completion of all projects from start to finish.

Due to their broad range of industry expertise, as well as their dedicated and highly skilled team, KMX Interiors have worked for a number of prolific clients on significant projects throughout Victoria. Some of these include Silvertop Taxis and Ringwood McDonalds (Becon), Melbourne Seafood Centre (BMF) and more recently, the Mahogany Room in Melbourne's Crown Casino.

This \$212 million facelift of the Casino incorporated the expansion of the Mahogany Room and included a new façade overlooking the Yarra River, a new private gaming salon, a five star restaurant, as well as a new bar and lounge area.

Mark Xerri, Managing Director of KMX Interiors, said whilst working on the redevelopment, a team of thirty men, provided an extensive range of internal fit outs for the East End of the Mahogany Room.

KMX Interiors' responsibilities included the delivery of various types of wall framing and wall linings including plasterboard, CFC and ply linings as well as MDF Strapping and garden walls.

In addition, KMX Interiors also delivered a range of unique ceiling features and suspended ceilings, all of which were specifically tailored to suit the requirements and needs of the Mahogany Room.

Given their reputation for delivering exceptional results and optimum client satisfaction every time, KMX Interiors once again completed their bespoke responsibilities in both a time and cost effective manner.

In fact, with a dedication to maintaining long-standing client relationships, as well as being renowned as a leading company within their field, KMX Interiors will continue to deliver outstanding results to a range of projects throughout Victoria.

**For more information contact KMX Interiors**, Suite 1, 250 St Kilda Road, Southbank Victoria, 3006, phone 03 9794 8305, fax 03 9793 5870, email [kmx@people.net.au](mailto:kmx@people.net.au)

KMX Interiors is proud to announce its merger with BMF Pty Ltd effective 16/1/12 to form new entity - Xerri Pty Ltd

**Vertex Engineering is a highly experienced provider of specialist** lifting and handling equipment and services for a range of industries including automotive, mining, theatre and manufacturing.

With an extensive fleet of equipment and lifting devices, Vertex Engineering provides tailored engineering solutions and custom equipment that is designed, fabricated and certified in-house, to meet the specific needs of a project.

Backed by years of practical experience and professional in-house systems, Vertex Engineering prides itself on providing a total project management service. From feasibility and concept phase, right through to the final solution, Vertex Engineering is able to coordinate all related trades and services effectively manage OH&S requirements, and accurately plan for construction targets and contingencies. However, more importantly, Vertex Engineering is renowned within the industry for their well-versed expertise in efficiently carrying out unusual hoisting, lifting and handling requirements. As a result, their unique skills were recently required for the Melbourne's Crown Casino redevelopment. This \$212 million facelift incorporated the expansion of the Mahogany Room and included a new façade overlooking the Yarra River, a new private gaming salon, a five star restaurant, as well as a new bar and lounge area.

Responsible for the installation of the hoist and the support steelwork for the new chandelier over the Crown Towers Hotel Lobby, Vertex Engineering's team applied their practical knowledge and experience to ensure all of the required lifting and handling equipment was supplied in a safe and cost-effective manner. In addition, they liaised with other contractors onsite to ensure the installation and lifting process caused minimal disruption to the Casino's operations.

Although the team from Vertex Engineering faced the challenge of working in an extremely tight ceiling cavity, situated 12 metres above ground level, their complete commitment to delivering leading and innovative results, meant they were able to overcome this obstacle and fulfill their responsibilities.

With a history of long-term client relationships, as well as a prolific project portfolio, Vertex Engineering continues to pride itself on providing a range of unusual and specific hoisting, lifting and handling services, to any project, regardless of the size or scope.

**For more information contact Vertex Engineering**, PO Box 5059 Heidelberg West DC Victoria 3081, phone 03 9466 1255 fax 03 9466 1655, email: [sales@vertex.net.au](mailto:sales@vertex.net.au) website: [www.vertex.net.au](http://www.vertex.net.au)

Below Minesco were responsible for the delivery of the Casino's unique iconic façade construction.

Below Coastline Carpentry & Building (VIC) specialises in commercial fit-outs and hoardings.



With more than 25 years of façade industry experience, Minesco Pty Ltd is a leading Melbourne company, specialising in glass and aluminium curtain wall systems for large-scale construction projects.

Minesco have worked on a number of iconic commercial projects such as the Etihad Stadium, the Airport Link Stations in Sydney, the Melbourne Museum, as well as the new Melbourne Rectangular Stadium and many others. Minesco were also recently involved on the significant redevelopment of the Crown Casino.

Appointed as the façade contractor for the project, Terry Cremasco, Managing Director of Minesco, said his team of 30 highly skilled professionals, were responsible for the delivery of the Casino's unique iconic façade construction.

"Commencing work in December 2010, we supplied and installed the bespoke, unitised curtain wall system to the main façade of the Casino's Mahogany Room, as well as installing all of the other façade elements," Mr. Cremasco said. Demonstrating a range of innovative techniques, the team from Minesco incorporated curved sandstone from India, as well as curved corrugated glass from Spain. Not only did these materials produce a uniquely shaped façade, they also produced a visually dynamic

finished product. Extensive use of polished stainless steel feature lighting elements were incorporated into the façade.

Whilst working on the Crown Casino, Minesco faced a number of challenges; one of these was the limited sources of the unique curved glass. "As this curved, five meter high, corrugated glass is only available from one supplier world wide, we needed to implement a strategic management plan to ensure we could supply the Mahogany Room with all of the required glass," Mr Cremasco said.

"However, given our years of industry expertise, as well as long-standing relationships with our suppliers, we overcame this obstacle and completed all of the necessary façade and curved glass requirements."

Dedicated to successfully completing complex projects in an innovative and cost effective manner, Minesco aims to deliver one step ahead of their industry competitors. The number of high profile and complex projects that Minesco have been involved with exemplifies their ability to deliver in an increasingly competitive space.

For more information contact Minesco Pty Ltd, 9/504 Fullarton Road Airport West VIC 3042, phone 03 9336 2455, fax 03 9336 2866,

Based in Hastings, Victoria, Coastline Carpentry & Building (VIC) Pty Ltd specialises in commercial fit-outs and hoardings, delivering outstanding services and results to a range of projects within the building and construction industry.

With a small, yet professional team of highly skilled tradesmen, Coastline Carpentry & Building (VIC) P/L has worked on a number of office fit-outs for a range of buildings and offices and were recently also involved on the extensive redevelopment of the Crown Casino's Mahogany Room.

This \$212 million facelift incorporates the expansion of the Mahogany Room and includes a new façade overlooking the Yarra River, a new private gaming salon, a five star restaurant, as well as a new bar and lounge area.

The Mahogany Room also received 16 new tables and has been heralded as the major component of the VIP upgrade for the Crown Casino's clientele.

Jason Wood, Director of Coastline Carpentry & Building P/L, said their dedicated team supplied and installed the majority of the temporary fit-out works required for the project, as well as assisting with building the gaming tables and supply of specialist labour to the head contractor.

"Given our commitment to delivering outstanding results that adhere to the requirements of a project, regardless of how specific they are, we erected a substantial amount for the fit out for the Mahogany Room," Mr Wood said.

"Furthermore, as the gaming floor was open to the public throughout various stages of the redevelopment, we also needed to take measures to complete our responsibilities in a swift, non-disruptive manner.

"However, our highly-skilled team and years of industry expertise, meant we were able to deliver an outstanding result to the client, within the timeframe," he said.

Gaining a well-known reputation within the building and construction industry for providing superior fit-outs and hoardings, Coastline Carpentry & Building is without a doubt a standout in this field.

For more information contact Coastline Carpentry & Building (VIC) Pty Ltd, 8 Burke Street, Hastings VIC 3915, mobile 0417 545 792, fax 03 5979 4875, email: jasonwood@netspace.net.au



Above: Teak Room Green façade

Mahogany Room Vertical garden

**EVERYONE WINS WITH FYTOGREEN GARDENS - Nature** is one of the permanent guests at Melbourne’s Crown Casino since Fytogreen, Australia’s foremost creators of modular green spaces for indoors and out, created stunning green façades and vertical gardens for the Teak and Mahogany Rooms as part of the redevelopment of the iconic venue.

Fytogreen have dedicated 23 years of international research and growing experience to developing and delivering green roofs, vertical gardens and green facades for Australian conditions.

Using the latest technology and growing systems for greening built environments, the company provides design, construct and maintenance services for projects including recreational venues, commercial offices, healthcare facilities, industrial and residential developments. Some of their recent successes include 1 Bligh Street in Sydney, Melbourne’s Royal Children’s Hospital and the Crown Casino in Melbourne.

“The Teak Room installation is very unique, there is nothing like it in Australia,” said Fytogreen Managing Director, Geoff Heard. “The Teak Room’s green façade extends for 27 lineal metres and rises three levels high. The garden combines climbers and creepers planted in lightweight and automated planter systems integrated into an architectural trellis. This

particular growing style was perfectly suited for the High Rollers indoor/outdoor smoking area.”

“In the Mahogany Room, we have created ten vertical gardens which are situated in portals behind sofas. Due to the reflective windows in the space, guests have a feeling of immersion in the gardens. Our design team also focused on delivering an ecologically-based design for the Casino to ensure minimal ongoing maintenance and environmental impact,” he said. The vertical gardens installed at Crown Casino were created using unique proprietary technology. Fytogreen sources plants from around the nation, then grows them into garden readiness at their greenhouse and installs them in custom-made water-efficient modular planters. The result is a vertical garden which looks like it has been there for years from the moment it is put in position.

With their extensive experience and dedication to creating sustainable natural beauty for built environments, Fytogreen ensures that from design through to delivery and ongoing care, glorious easy-care gardens can be incorporated into any space.

For more information contact Fytogreen Australia, Head Office phone 03 5978 0511, email: info@fyto-green.com.au, website: www.fyto-green.com.au