

CREATING NEW TRADITIONS

DEVELOPER : Billbergia
MAIN CONSTRUCTION COMPANY : Billbergia
ARCHITECT : SJB Architects
STRUCTURAL ENGINEER : Bonacci Group
CONSTRUCTION VALUE : \$450 million



Rhodes Central is the first stage of a \$2.5 billion town centre project comprising commercial and retail spaces, a supermarket, a major Council recreation centre with fitness club, indoor sporting courts, gymnastics, community centre, an early childhood education centre, Bamboo Lane, a one-stop destination for authentic Asian food, the tallest heliostat in Australia, and over 1,500 luxury apartments.

Billbergia is an Australian family-owned property group, which has a successful 33 year track record in creating sustainable communities. Founded by brothers John and Bill Kinsella in 1988, Billbergia is today recognised as a multi-award winning, fully integrated development business that operates every stage of the property lifecycle – from investment management, acquisitions, planning and development, to design, construction, project marketing and sales.

“Billbergia’s business model is more than simply apartment buildings, but rather is dedicated to developing quality living environments through well planned, accessible communities that promote healthy lifestyles and great places to live,” said Thomas Gregg, Development Manager. “Through our firm commitment to delivering well-conceived construction projects and creating sustainable residential communities, Billbergia stands apart from other companies.”

Billbergia continues to make their mark in New South Wales and Queensland, and what they have delivered at Rhodes Central is nothing short of incredible and is set to expand on the company’s growing list of industry accolades for delivering high quality and well-planned communities.

Rhodes Central Stage 1 is the first of a 3-stage, \$2.5 billion Gateway West Precinct development, setting a new benchmark for the suburb and building on Billbergia’s philosophy of creating communities by offering a dynamic, mixed use town centre in the heart of Rhodes.

The project features a 39-storey tower which is dominating the skyline, a second 25-storey tower housing 550 one, two and

three-bedroom residential apartments and a 3-storey podium neighbourhood shopping centre boasting 13,500m² of retail floor space. The towers feature floor-to-ceiling glass to let natural light flood in, double glazing for thermal comfort and spectacular views from every apartment. Curved glazing lines the building’s edges and wintergardens attached to the premium apartments provide a seamless transition from the indoors out.

Reaching 145m above the street, the main tower is crowned with a unique and instantly recognisable heliostat, only the second of its kind in Australia. The heliostat is an array of fixed and operable reflectors that track the sun as it moves across the sky and reflects sunlight down to the shaded spaces at ground level. The reflectors are framed by a curved, golden form that cantilevers beyond the building edge.

“In addition to being such an impressive architectural feature, the heliostat serves as an innovative way of reflecting sunlight onto the previously overshadowed Union Square Plaza on nearby Mary Street,” Thomas said. “A logistical undertaking of this scale on top of a 39-storey tower is a huge achievement by our capable construction team and has quickly established itself as an iconic landmark on the Rhodes skyline.”

Billbergia commenced works for Stage 1 in July 2017 and over the course of the last four years, has had a daily peak of 790 workers onsite and more than 4,000 workers overall during construction. The sheer scale of the project was not without its challenges and Billbergia’s success was largely reliant on effective relationships with suppliers, contractors and consultants.

Some of the key challenges unique to this development include the deep, 9-storey basement excavation, the complex stratum and titling arrangements, the unique heliostat design and procurement and a shopping centre leasing campaign during trying market conditions.

“We partner with suppliers and contractors that share our passion and commitment to delivering our high-quality standards and benchmark projects,” Thomas said. “An added challenge was the negotiation and agreement with Local and State Governments to deliver an elevated footbridge across Walker Street to provide a direct connection to Rhodes train station.”

The successful realisation of Rhodes Central is a tribute to the tireless efforts and collaboration between the entire Billbergia team and a dedicated group of consultants, subcontractors and specialists. “The project has created a vibrant new focal point for the Rhodes community, with a high level of liveability that provides a range of shopping, dining and community facilities with easy access to Sydney’s transport network,” Thomas said.

Billbergia is currently developing a new 50-storey mixed use property in North Sydney, three new residential developments in Lidcombe, West Ryde and Arncliffe and is completing the final stage of the multi-award winning Wentworth Point Town Centre masterplan development.

For more information contact Billbergia, Suite 101, 25 Angas Street, Meadowbank NSW 2114, phone 02 8878 6900, email info@billbergia.com.au, website www.billbergia.com.au



Below HeliostatSA created an impressive heliostat arch or ‘Halo’, which is the second of its kind, for Rhodes Central.

Focusing on designing, engineering and manufacturing utility grade energy and heat using Concentrated Solar Power (CSP), Concentrated Solar Photovoltaic (CSVP) and Heliostat Sun Tracking Technology.

The South Australian technology business, which is part of Fusion Capital Group, employs more than 300 people and their latest installation at Rhodes Central is certainly turning heads right across Sydney and nationwide. In what is just the second of its kind in Australia, you can be forgiven for not being able to take your eyes off the striking gold Heliostat arch or ‘Halo’ which is perched atop the 39-storey tower at Rhodes Central. The undeniable ‘bling’ which is now dominating the Rhodes skyline, is the result of more than a decade of research and development and has been designed specifically to illuminate overshadowed spaces, which often go hand-in-hand with large scale developments.

The technology was originally designed to be used with large, motorised mirrors following the sun and concentrating sunlight into a central receiver. When heated, the receiver creates steam to drive turbines that create electricity – clean and cost effective energy which is being used today in the renewables industry. The adaptation of this technology with the Rhodes Central project will undoubtedly set a new benchmark in the construction industry.

“In this project at Rhodes Central, the system works by redirecting sunlight from the 49 individual Heliostats up to a second set of static mirrors called the Secondary Reflector Array. This array is mounted 20m above the Heliostats and the individual mirrored panels redirect sunlight directly into the areas below the tower,” said Director, Dan Marks.

“The static mirrors are made of a highly polished aluminium skin on a composite panel material, which provide a lightweight and unbreakable surface for light reflection.”

The design and engineering process for the Heliostat Arch took the team at HeliostatSA around 12 to 15 months to complete, including the nine months it took to install the system onsite at Rhodes Central.

“Ten people worked on the installation and the project was designed, engineered

and installed by our Australian team,” Dan continued.

“We are keen to speak to developers in Australia and overseas who need either a similar structure from a functional perspective, or to simply provide a design feature for their own developments.”

The project, which is best described as an impressive architectural feature, did present several challenges. With their partners, Heliosystems, HeliostatSA engaged in extensive feasibility modelling and preliminary design work, which included the full lighting specification for the building covering ray tracing, deflection analysis and stray reflection mitigation. The company also completed a number of parametric studies to ascertain the optimum design from both an aesthetic and functional perspective and in a safe and compliant manner.

“From a functional perspective, we needed to optimise the light produced from the array within the roof space provided, whilst eliminating UV light hazards,” Dan said.

“We also designed features to provide for multiple coloured lights to shine down into the foyer to provide an additional aesthetic at night, complementing the practical application of producing simulated sunlight during the day.”

As large scale inner city developments are becoming more prevalent, the need for solutions to prevent or solve overshadowing will demand similar innovation to that which has been delivered at Rhodes Central and aside from its practical aspects, a heliostat array can make a development stand out from its competition.

“HeliostatSA, together with its partners, is proud to have been part of such an iconic project, the outcome which now headlines the Greater Sydney skyline,” Dan said.

“We are looking forward to creating innovative advanced manufacturing solutions on similar construction projects throughout Australasia and South East Asia.”

For more information contact HeliostatSA, 35 Woomera Avenue, Edinburgh Parks SA 5111, email maria.fedele@heliostat.com.au, website www.heliostat.com.au



Below Rab's Plumbing delivered a complete plumbing and hydraulic system as well as drainage, and gas services.



Rab's Plumbing is a trusted plumbing and hydraulic contractor, which has been working alongside construction companies in New South Wales since 2002.

Managing Director, Rabi Malass leads a team of dedicated staff who pride themselves on quality workmanship that is innovative and cost effective for the company's clients, from the hydraulic design stage through to the completion of a project.

Since establishing his company, Rabi has always tried to go the extra mile for his clients and his ethical and professional approach to every job is something he instils in his workforce. A key focus for the business is the training of new and existing staff, which has resulted in a constant and controlled level of quality and safety across the company's work throughout the industry.

Rab's Plumbing offers a wide range of services including plumbing, civil and hydraulic design and their prefabricated work, which is manufactured at the company's Sydney warehouse and prefab workshop, is distinguishing them from their competitors.

Building on their growing portfolio, Rhodes Central undoubtedly highlights Rab's Plumbing's ability to meet the needs that any project presents. In the case of the twin tower development in the heart of Rhodes, their experienced and versatile staff delivered the project to scope, budget and on time.

"We really pride ourselves on delivering a total package for our clients, from the early design stages through to value engineering, programming and innovation, right through to the project's completion," said Construction Manager, Salvatore Costa. "At Rhodes Central, our accredited team has carried out the plumbing and hydraulic project management, as well as the sanitary plumbing and drainage, where we have used a Sovent system for the sanitary stacks, which is ideal for use on a high rise development."

Rab's Plumbing also installed the cold water main system, the hot water system, the HDPE trade waste drainage system, the stormwater system and the gas services. Showing the company's versatility, they have also prefabricated the services riser

cupboards, which were then brought to the site assembled and ready to be installed.

"During the project's peak, we had a team of 80 plumbers onsite and whilst the Covid pandemic made things interesting to say the least, our experience kicked in when needed," Salvatore said.

Plumbing and hydraulics on high rise buildings are often complex and one of the challenges Rab's Plumbing faced onsite was having to navigate around the allocated times during which the construction elevators could bring their staff and materials up and down the towers. By implementing key planning and management strategies, they were able to keep their productivity up without experiencing any major delays.

Throughout the company's 19 year history, Rab's Plumbing has been engaged by a vast range of major developers, which has earned them a reputation for reliable and high quality service. The working relationship with Billbergia is a fruitful one and these close, long term arrangements are something that Rab's Plumbing takes very seriously.

"The finish on this project at Rhodes Central was everything we could have asked and prepared for," Salvatore said. "It was a smooth transition for the residents moving into their apartments which are defect free and all stakeholders have been happy with the quality and workmanship that we provided."

Rab's Plumbing is delivering a number of prime projects all across New South Wales and the Australian Capital Territory and expanding the business interstate is definitely on the cards when the timing is right. The company is currently working on the Channel Nine by Mirvac development which will include 445 apartments, as well as the upgrade of the HMAS Watson Naval Base facilities in Sydney.



For more information contact Rab's Plumbing,
1 Gatwood Close, Padstow NSW 2211, phone
02 9791 2111, email admin@rabsplumbing.com.au, website www.rabsplumbing.com.au

Below PARKIQ installed their state-of-the-art cashless, contactless and ticketless parking system to the car park of Rhodes Central.

Cashless, ticketless, zero contact and fast. These are not normally words that would spring to mind when you're thinking about a car park but now, thanks to an innovative new system by PARKIQ, the car parking experience really is as simple as that.

Established by Brett and Garth Mathews, founders of the Secure Parking Group, PARKIQ's latest product offering is the Australian owned and developed Watermelon contactless parking system.

With 40 of experience operating thousands of car parks and hundreds of different types of technology worldwide, PARKIQ knows a thing or two about giving building owners and customers efficient and up-to-date technology which is economical to run and simple to maintain. The system, which was originally used exclusively within the secure parking portfolio, has now been adopted by private building owners and car park operators all around the globe.

General Manager, Benjamin Mathews, explains how the company has been delivering world first technologies in the parking industry for some time and their most recent instalment at Rhodes Central is the perfect fit, meeting the needs of the modern car park. "PARKIQ has been responsible for innovating the industry with car park booking systems, car park credit cards, loyalty and rewards systems, parking data reconciliation and reporting systems for decades."

"The new Watermelon contactless parking system which we have installed at Rhodes Central is a compact and powerful system and because it's 100% digital, the costs normally associated with operation and maintenance are significantly reduced," said Benjamin.

By eliminating cash handling, tickets and paper receipts, operational costs are less than half that of the traditional car parking systems and the user-friendly platform includes the latest features and functionality. To put it simply, the Watermelon system has been designed to ensure maximum convenience for customers, at the same time equipping building owners and operators with the lowest possible costs and the reliability of an efficient system. So, it's a win-win all round.

The team at PARKIQ installed technology specifically chosen to offer residents and patrons of Rhodes Central a safe and user-friendly parking service. On a build which has brought high quality amenities and state-of-the-art architectural features to Rhodes, the car park system had to follow suit. The terminal itself is sleek, simple and accurate, with a 10 inch touch screen and black powder coat finish. It can be bollard, pedestal or wall mounted and is easily accessed from the car window.

"Our Watermelon LPR Hybrid system uses license plate recognition cameras as the primary mode of access and NFC and QR code readers as the secondary mode of access the car park," Benjamin said. "We have also implemented our MYSPOT platform, which is an online parking app that allows customers to find, navigate, book, pay and access the car park with ease."

Watermelon's license plate recognition (LPR) technology has proven to be fast and efficient and enables greater entry and exit point volumes, resulting in higher vehicle turnover.

PARKIQ has also applied their industry expertise to catering for the ever changing nature of technology, ensuring the Watermelon system continues to offer operators value for money. The digital and cloud based architecture of the system has been designed to evolve with the adoption of new technology in the mobility and payments sectors and allow for easy integrations with third party apps and platforms.

"It has been great working with both the project construction team and the operations team and we are proud to have been part of this development at Rhodes Central," Benjamin said.

"We are also looking forward to continuing our great relationship with Billbergia and I'm excited about the new projects that lie ahead."

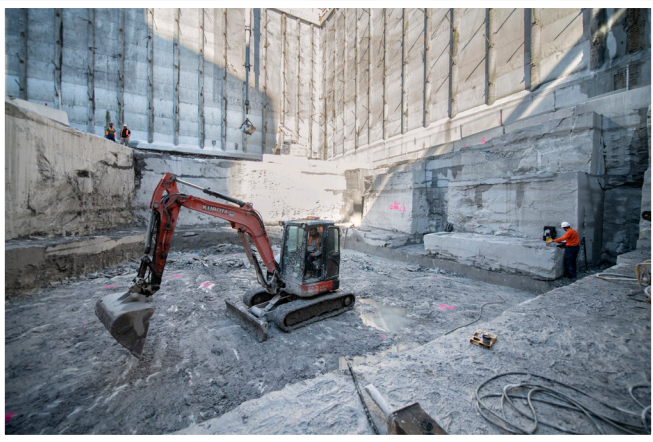
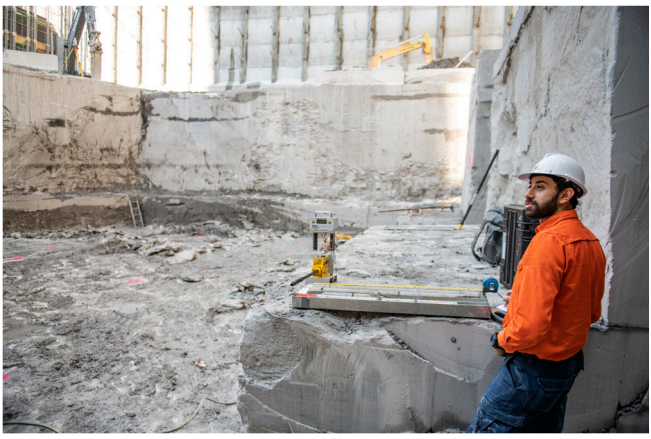
For more information contact PARKIQ, Suite 501, 10-12 Clarke Street, Crows Nest NSW 2065, phone 0417 239 583, email ben@watermelonparking.com, website www.watermelonparking.com



Below Sydney City Mechanical were responsible for the installation of all the air conditioning and ventilation systems.

Douglas Partners
Geotechnics | Environment | Groundwater

Below Douglas Partners assessed the ground conditions of the project, drilling through a layer of Ashfield Shale to the sandstone.



Sydney City Mechanical (SCM) has been providing HVAC services to the construction industry for more than two decades, combining quality materials with the best installation techniques. SCM completed the mechanical design and installation of the HVAC installation, headed by Project Manager, Symal Reddy and Site Manager, Petros Barbagiannis.

The project consisted of two towers: Tower A 38-levels, and Tower B 26-levels; as well as a shopping centre with approximately 70 speciality shops. The carpark and loading dock included ventilation and outside air supply, basement stair pressurisation and fan plant rooms on each level which supply exhaust air at concentration points via risers. The mechanical ventilation was complex, comprising of 79 jet fans, 35 Axial fans and 400 CO sensors for monitoring the air quality, fire stairs, stair pressurisation systems and 8-levels (nearly 60,000m²) of carpark, serving both residential and retail.

Residential apartments were fitted with Daikin air conditioning systems for the bedrooms and living areas and exhaust systems were installed in the bathrooms and laundries. Plant rooms on each floor of the residential towers, house the condensers that service all of the apartments and are enclosed by carefully oriented louvers which are

intergrated into the building's facade. SCM installed a central filtered supply air handling system on Level 38, which supplies outside air to all lobbies via fire/smoke dampers in normal mode. It also doubles up as essential services when it combines with the tower lobbies smoke exhaust systems installed on the roof.

Retail levels are provided with central cooling/heating from chillers, boilers and cooling towers to cater to a wide range of tenants, including kitchen exhaust fans on the roof and compartmented ducts. A dedicated Schneider Electric Retail Building Management System (BMS) was installed for Retail Centre Management to control and bill tenancies for thermal comfort and cooking exhaust requirements

"Rhodes Central is such an impressive project and a great deal of work has gone on behind the scenes to make this happen," Helen said. "Everything from the apartments to the plant rooms will set a new benchmark for Sydney's construction industry and we are proud to have been part of it."

For more information contact Sydney City Mechanical, 21 Phillips Road, Kogarah NSW 2217, phone 02 9587 0070, email admin@sydneycitymechanical.com.au, website www.sydneycitymechanical.com.au

Douglas Partners is a national engineering business that specialises in everything below the ground's surface. From geotechnics and groundwater to rock mechanics and contamination, Douglas Partners has 20 offices around Australia and has been servicing the construction industry for around 60 years.

Measuring approximately 30m below street level, the basements at the new Rhodes Central are considered some of the deepest in Sydney and this is what the team at Douglas Partners specialises in. Engaged by Billbergia, who they have worked with extensively for more than a decade, Douglas Partners was tasked with the initial inspection of the site to work out exactly what lies underground.

"We have a great relationship with Billbergia and in my 20 years of experience in the industry, I've worked with Billbergia for 15 of those," said Peter Oitmaa, Principal and Geotechnical Engineer. "This helps on projects like this one, which was one of the biggest basements to be excavated in Sydney and probably one of the deepest shale excavations in Sydney as well."

The drilling of bore holes to assess the ground conditions revealed the Rhodes Central site is sitting on Ashfield Shale – a common rock

unit in Sydney which ranges in thickness across the city's suburbs. "Geologically, Ashfield Shale does present some challenges over other rocks and these basements are up to 9-levels below ground," Peter explained. "We had to drill through the shale layer right to the sandstone before analysing the results and preparing our reports for the design team and hydraulic engineers."

Peter and the team from Douglas Partners spent around two and a half years on the basement dig, which also involved the installation of pylons around the perimeter of the basement to support the rock as well as installing ground anchors on the way down to hold the pylons in place.

"From a geotechnical point of view, Rhodes Central has been a great success," Peter said. "We didn't have any major issues on the way down and the relationship between Douglas Partners and Billbergia certainly contributed to this."

For more information contact Douglas Partners, 96 Hermitage Road, West Ryde NSW 2114, phone 02 9809 0666, email sydney@douglaspartners.com.au, website www.douglaspartners.com.au

Below B&T Interior installed Hebel, Speedpanel, Bondor and Rondo products throughout the project.



Below Absolute Fire Safety completed the combined sprinkler and hydrant systems for Rhodes Central.



B&T Interior is a Sydney based company which has, over the years, become a trusted name in the construction industry for the installation of lightweight internal lining construction and internal fitouts. The installation of hebel, plasterboard and suspended ceilings, suspended acoustic tile systems and external fibre cement cladding systems are all part of B&T Interior’s offering, using quality products chosen for their superior fire and acoustic protection.

Established in 2007, Director Danny Bai and his team at B&T Interior is known for specialising in design solutions for different types of fire rated walls and ceilings, which was the perfect fit for the large scale build at Rhodes Central.

It took 35 workers from B&T Interior close to two years to complete the installation at Rhodes Central. This included the installation of the apartment walls and ceilings using Speedpanel fire and acoustic rated wall systems and Bondor insulated panels for the basement air shaft riser.

“We started at Rhodes Central in June 2019 and in addition to Speedpanel and Bondor, we have also installed CSR Hebel and Rondo products,” said Danny. “They offer the best quality and effective

technical support on all of their products, which allows us to deliver the most effective result on a large scale build such as this one.”

This list of go-to products was essential for the Rhodes Central project, as a different fire rated wall system and product was used for each of the different areas within the building. The ability to meet these requirements was key for the team at B&T Interior to complete the job adequately.

“Our motto is best quality and trust and this has contributed to the good reputation that we are developing in the industry,” Danny said. “We’ve worked with Billbergia before on the Wentworth Point Marina project and are proud to have joined them again at Rhodes Central. It has been a wonderful result.”

For more information contact B&T Interior, PO Box 6512, Baulkham Hills NSW 2153, phone 0423 848 788, email btinterior@hotmail.com, website www.btconstructionservice.com.au

Absolute Fire Safety has been servicing the construction industry in New South Wales for the last two decades and, as their name suggests, has all aspects of fire protection covered.

At the helm of the company is Jason Hughes and his experience in the industry has served him well, expanding Absolute Fire Services from just two employees in the early days, to a team and staff of nearly 60 workers.

“We specialise in the design, supply and installation of all wet and dry fire services throughout the construction industry and also provide testing and maintenance of Service Contracts,” said Managing Director, Jason Hughes. “We are Australian owned and operated and really pride ourselves on our quality workmanship and service to all of our clients in both portions of our business.”

At Rhodes Central, Absolute Fire Safety was engaged by Billbergia to install the combined fire hydrant and fire sprinkler systems on all levels, as well as the fitout’s for all retail spaces including Woolworths in the shopping precinct. Absolute Fire Safety opted for Aline Pumps at Rhodes Central, chosen for their good quality pumps and service.

“We have a long history of working with Billbergia, close to 19 years now and we feel very privileged to have worked for them for as long as we have,” Jason explained. “It has been a fantastic project to work on and a impressive project to be part of.”

The team from Absolute Fire Safety started at Rhodes Central in July 2019 and up to 22 technicians were onsite installing the fire protection systems across the two towers and the basements.

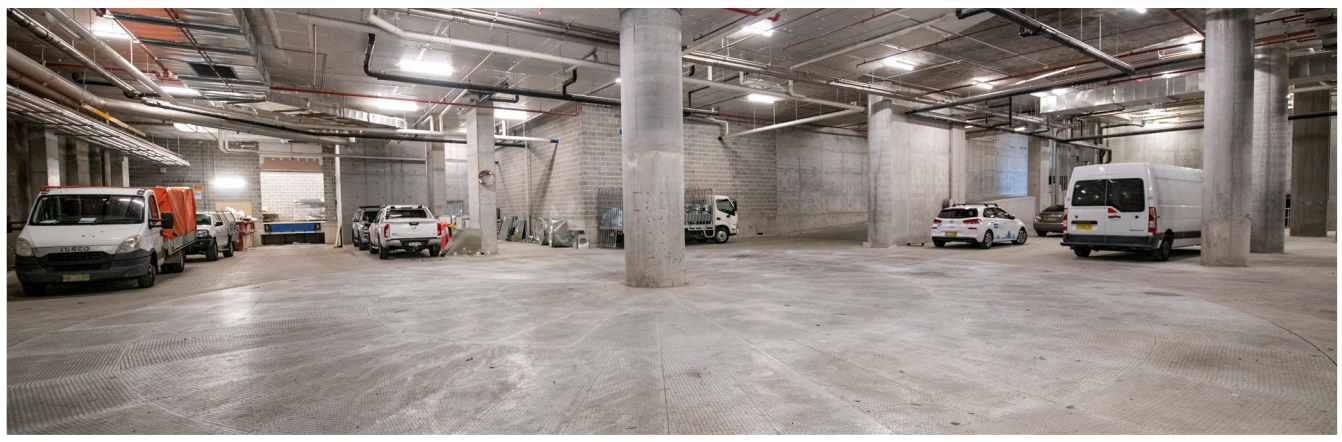
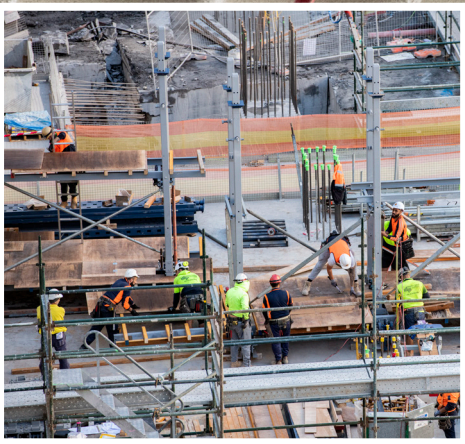
“Rhodes Central is such an impressive project and we are really happy with the outcome,” Jason said. “To be on a project for as long as we have and to accomplish a job of this size without any major issues has made me very proud.”

Continuing their partnership with Billbergia, Absolute Fire Safety is currently working on a 50-storey mixed use tower in North Sydney as well as the Residential apartment development, Lidcombe Rise.

For more information contact Absolute Fire Safety, Unit 3/26 Park Road, Mulgrave NSW 2756, phone 02 4577 5335, email service@absolutefire.com.au, website www.absolutefiresafety.com.au

Below Rock Face Landscapes supplied and installed the hard and soft landscape works for Rhodes Central.

Below Big River supports Billbergia in iconic project by supplying structural plywood and LVL timbers throughout the project.



Rockface Landscapes is a family owned and run business, shaping both functional and aesthetically pleasing outdoor spaces for construction sites right across New South Wales. Rockface has established a reputable foothold in the landscape construction market and has delivered on an impressive range of projects since taking the business to the next level in 2018.

“We provide a complete landscape solution package – a one-stop-shop for our clients. Everything from general soft scapes such as irrigation, soils and mulch to hard scape works such as roadways, concrete, and all areas of timber works,” said Co-Director, Andrew West. “We also do all facets of civil and excavation works and have recently established our own fencing division of the company and manufacture locally at our Castle Hill factory.”

At Rhodes Central, Rockface Landscapes drew on their vast resources and expertise to supply and install all the materials and equipment for planter boxes and green areas. The building of metal fencing, pergolas and timber seating which appear throughout the site, as well as the complete works in the rooftop dog park, all of the synthetic grass, BBQ areas, bins and even bicycle racks.

A highlight was the installation of palm trees up to 8m tall which were imported from Queensland, requiring cranes to have them installed, while the Waterhousia, a popular Australian native, is the main attraction on Level 3. “We also worked on the retail sections and Level 2 is known as Bamboo Alley,” Andrew explained. “All of the shop fronts here have 6m high bamboo tress, which we also sourced from Queensland, towering over you and creating a whole new dimension.”

A central focal point is the lush, 6m high irrigated green wall which wraps itself around one of the building’s columns on Walker Street. “The whole project is definitely one of a kind and we are excited to have been part of it,” Andrew said. “It has first class amenities for residents, is animal friendly, has great retail options and I do see it as a real crowning glory for Billbergia.”

Rockface Landscapes pride themselves and their success on building strong, trusted relationships with their clients and have expressed excitement for what Billbergia will do with Stage 2 of Rhodes Central.

For more information contact Rockface Landscapes, Unit 39, 7 Hoyle Avenue, Castle Hill NSW 2154, phone 02 8677 4317, email info@rockfacelandscapes.com.au, website www.rockfacelandscapes.com.au

Big River Group began in the early 1900s in the timber trade and is now a big player in the construction industry in Australia. With a reputation built on quality, reliability and the best in customer service, Big River Group has cemented themselves as a trusted one-stop-shop for formwork, building products, plywood and decorative panels with 21 branches nationwide.

At Rhodes Central, Big River Group was brought on board by Billbergia to supply all of the structural formwork to all levels of the building, including the basement and balconies.

“We started at ground zero in the carpark which is the deepest in Sydney and worked our way up to the very top of the building,” explained David Ferguson, Operations Manager at Big River Group. “We supplied the LVL timbers and structured plywood and we used a lot of our own special bending ply which is manufactured in our Grafton mill for the balconies and the landscape formwork.”

Big River Group’s own brand Deckply F14 features heavily throughout the construction, chosen for its quality and price and proven results each time.

Onsite only to liaise with formworkers and with Billbergia’s engineers, David Ferguson and the team at Big River Group couldn’t be happier with the project overall. Well versed at how Billbergia operates a large scale construction site, Big River Group have previously supplied them with around 85% of the formwork material used at the Wentworth Point sites over the last nine years.

“Billbergia are just a fabulous company to work with and our time at Rhodes Central has been terrific,” David said. “Stage one of the build looks fantastic and we are happy with the finish and have had really positive feedback about all of our products which have been used.”

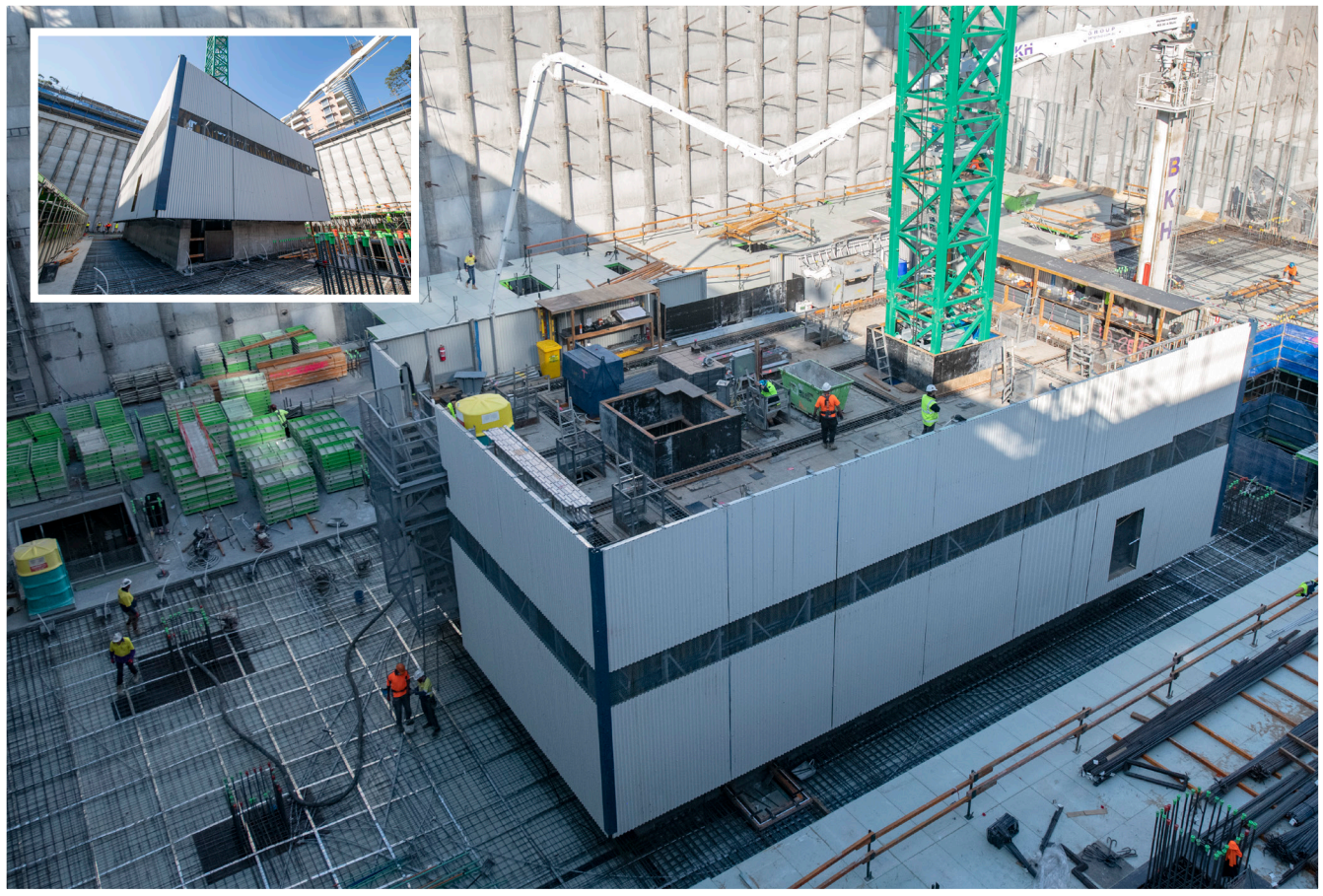
The Big River Group is currently working on Stage 2 at Rhodes Central and also at the 88 Walker Street, North Sydney development alongside Billbergia.

For more information contact Big River Group, 289 King Street, Mascot NSW 2020, phone 1300 881 958, email ktesluk@bigrivergroup.com.au, website www.bigrivergroup.com.au

Below Australian Scaffold & Access installed a triple cantilevered double diagonal brace scaffold system.



Below S Kosa Formwork carried out the formwork for the two towers of Rhodes Central.



Australian Scaffold & Access is a trusted national leader in the construction industry, offering a range of scaffolding services since 1997.

Managing Director, Daniel Butlin has taken the company from strength to strength over the last 24 years. “We do everything from simple to complex jobs, however, our real specialty is in engineered scaffolding, that other companies just can’t do,” Daniel said.

At Rhodes Central, Australian Scaffold & Access was brought on board by Billbergia and took ‘panoramic view’ to a whole new level. The specialist team designed and engineered a triple cantilevered double diagonal brace scaffold system to fit through a window forty stories high, allowing workers to install crane ties to the building safely.

“Being able to build a scaffold through a window might not seem like a big deal to most. But if you think about it, the risk and cost reduction is massive on a job like this,” Daniel said.

Can you imagine the risk and cost in building scaffolding 40 stories high? Australian Scaffold & Access designed a scaffold that took just three scaffolders eight hours to complete.

“The team took longer signing in and doing the toolbox talk and getting the equipment to where it was required, then it did to complete the job.”

Australian Scaffolds started working for Billbergia in 1998 and are proud to continue working with them today. To further highlight the company’s notable reputation, Australian Scaffolds also manufactures a range of equipment, including mobile scaffolding, shore props, trestles and edge protection equipment under the Butlin family name, complete with a lifetime guarantee.

For more information contact Australian Scaffold and Access, 71 Hobart Street, Riverstone NSW 2765, phone 1300 919 905, email info@australianscaffolds.com.au, website www.australianscaffolds.com.au

Sydney based company S Kosa Formwork has been servicing the construction industry in New South Wales for the last four years and is now proud to add the large scale Rhodes Central project to their portfolio.

Co-Directors and good friends Tarik Sulaiman and Safaa Younis are no strangers to the construction industry and since opening their company together in 2017, they have gone from strength-to-strength.

“We started working together back in 2005 and our first job was a small building in Liverpool, where we built a single jump form system,” Tarik said. “Our latest project at Rhodes Central has been our first job for Billbergia and we have loved the opportunity to showcase our systems and expertise on this build. Billbergia is a highly organised and professional company with a lot of experience and this is essential for any quality building to go up.”

The team from S Kosa Formwork were onsite at Rhodes Central for about 18 months, carrying out the formwork for the two towers which make up stage one of the project. With one building comprising of 39-floors and the other 25-floors high, S Kosa’s self-climbing formwork system was the preferred solution.

Designed to increase the efficiency of a large scale build and minimise labour costs, this special type of formwork is used to achieve a seamless wall structure. Tarik and Safaa were both onsite for the duration of the project to manage the assembly and operation of the system.

“While this type of system costs a bit extra initially, it saves a lot of time and in the long run, the builder always saves a lot of money,” Tarik explained. “From a formwork point-of-view, we had a great experience at Rhodes Central and the quality and design of the build really speaks for itself.”

S Kosa Formwork is currently completing the second stage at Rhodes Central, as well as another large scale job in the city’s north.

For more information contact S Kosa Formwork, 18 Haliday Crescent, Edensor Park NSW 2176, phone 0434 582 883, email takoulis_g13@hotmail.com