



A NEW HOME FOR CRICKET EXCELLENCE

DEVELOPER : Cricket NSW / MostynCopper
 PROJECT PARTNERS : Buildcorp, Evergreen and Ford Civil
 STRUCTURAL & CIVIL ENGINEER : Taylor Thomson Whitting
 ARCHITECT : Cox Architecture
 CONSTRUCTION VALUE : \$50 million

Cricket Central is a state-of-the-art, high-performance training, playing and administration facility which includes an International Cricket oval, outdoor practice nets and indoor training facilities. A smaller community oval will be part of stage two of the project.

In partnership with the Australian Government, NSW State Government, Sydney Olympic Park Authority and Cricket Australia, Cricket NSW has moved to a new home, built for the needs of current and future generation cricketers at every level, coaches, umpires, administrators and volunteers.

“Our overriding vision was to find a permanent home base for cricket in NSW,” said Cricket NSW General Manager for Venues and Development, David McDonald. “We were running out of facilities for training because we play and train 12 months of the year. We landed on Sydney Olympic Park as the perfect location.”

The key features of the new facility include an International Cricket Council compliant sized cricket oval, outdoor practice nets, an indoor training facility, a 2-storey cricket centre including an internal atrium, gym, community facilities, sports science and sports medicine facilities and sport administration offices, car parking and a single storey grounds-keeping shed.

MostynCopper specialises in complete project management services for the construction industry. They were appointed as the Project

Manager and Superintendent entrusted to deliver Cricket NSW’s vision for Cricket Central.

MostynCopper were responsible for all aspects of the project from master planning, concept design, authority approvals and construction delivery. This included engaging and coordinating multiple contractors concurrently onsite. “The site itself (Wilson Park, Sydney Olympic Park) was a former gas works plant, and while it has been previously remediated, the complexity of managing the risks associated with in ground works was significant,” said Senior Project Manager for MostynCopper, Kael Williams.

“This was overcome by partnering with a knowledgeable civil contractor (Ford Civil Contracting) with experience in remediating such sites and consultation with Sydney Olympic Park’s Environmental Team and the EPA.”

To ensure the integrity of the existing capping layer, the entire site was raised utilising 60,000 tonnes of imported material sourced from the Rozelle Interchange. Given its location within the Sydney Olympic Park Parklands and its proximity to the Parramatta River, the site also

had sensitive ecology and biodiversity which needed to be monitored and protected for the duration of works, which was undertaken with consultation from Sydney Olympic Park’s ecology team.

Cricket NSW and Cox Architects created an amazing design that has resulted in a world-class cricket facility. “The facilities are second to none, an ICC oval with 15 centre wickets (the largest in the southern hemisphere) and 43 outdoor turf training wickets with soil from New South Wales, Queensland and Western Australia,” said Kael. “It really is an unrivalled world class sporting facility that will further enhance cricket in New South Wales and Australia.”

Cricket Central was originally designed for elite performance, however there is a huge focus on integrating community use. It is anticipated 35,000 people will utilise these facilities every year. “We have 15 indoor lanes and nine are for community use,” said David. “Anyone can hire a lane and be training beside Australian Test stars. We’ve created the Disneyland of cricket.”

There are 16 meeting rooms in the administration area and Cricket NSW have chosen to acknowledge the contribution of volunteers to the game by naming each room after someone who has given their time and commitment to coaching, indigenous development, female development, scorers, umpires and so on.



“The internal graphics of the admin area reflect the spirit of cricket – how cricket has changed someone’s life for the better,” said David. “For example, a group of Afghan refugees who found a sense of community and belonging in Australia through getting involved in a local cricket team.”

For more information contact NSW Cricket Centre, 161 Silverwater Road, Sydney Olympic Park NSW 2127, phone 02 8302 6000, email info@cricketnsw.com.au, website www.cricketnsw.com.au/about/cricket-central

For more information contact MostynCopper, Suite 1 Level 8, 9 Hunter Street, Sydney NSW 2000, phone 02 9241 1699, email info@mostyncopper.com.au, website mostyncopper.com.au

Below Rider Levett Bucknall completed extensive cost management services throughout the entire project.



Below Douglas Partners was commissioned by Cricket NSW as the geotechnical and environmental consultant on the project.



Rider Levett Bucknall (RLB) is an independent global construction and property consultancy providing management and advice throughout the built environment. RLB are the cost managers for the Cricket Central and have been involved with the project from inception through to construction for the last three years. Cricket NSW moved into the facility in June earlier this year.

RLB's role included cost planning of masterplan options and cost management throughout the design and into construction.

There were three construction contracts for this project – early civil works, main building, and the field of play for the oval and training wickets. RLB also played a role in the tender review process that selected each contractor. During construction, RLB authorised payments for the contractor's monthly progress claims and provided assessments for variations and scope changes.

Sean Fry, Senior Associate, led the RLB team, and we asked Sean what was RLB's key success in this project. "It was always going to be a challenge to meet all functional requirements and aspirations of the client while balancing these against time and cost. COVID-19, a spike in building prices and extreme weather were unforeseeable

events that created problems for all involved. Despite this, the project was delivered on budget to a high standard and prudent cost management during the design phase was a fundamental driver in achieving this result."

RLB are delighted to be part of a great outcome for Cricket NSW who now have an ICC rated oval and World Class cricket training facility. The success of this project centred around a strong delivery team, excellent communication, and collaboration between everyone involved.

RLB is committed to creating value for their clients, achieving commercial certainty, project and programme success and optimising assets to projects across the world.

For more information contact Rider Levett Bucknall, website www.rlb.com

Douglas Partners is an Australian employee-owned professional engineering consulting firm, specialising in Geotechnics, Environment, Groundwater, Rock Mechanics, Geophysics, Occupational Hygiene, Hazardous Materials and Earthworks testing. Douglas Partners is also affiliated with Ground Test for the provision of drilling services and cone penetration testing (CPT).

Douglas Partners was commissioned by Cricket NSW as the geotechnical and environmental consultant for the proposed Centre of Excellence development at Wilson Park. Douglas Partners developed and implemented an investigation program comprising a review of historical information, field investigations, testing and reports pertaining to the site.

Historical information, supported by the investigations by Douglas Partners, showed that the site was affected by a number of constraints requiring a degree of mitigation or management. These included the landfill management infrastructure, uncontrolled fill, sporadic waste fill (including buried tar residue), variable capping thicknesses, shallow perched groundwater, landfill gas, and acid sulphate soils (ASS).

Douglas Partners produced a contaminated land management/remediation action plan (CLM/RAP) which was implemented during

the development to manage known or then unidentified contamination in soil, groundwater (leachate) and landfill gas. The CLM/RAP had key procedures including the verification of imported materials, the monitoring and management of ground gases, the assessment of ASS, the provision and verification of a gas proof membrane beneath new buildings, and waste classification of materials to be removed from the site.

Douglas Partners had a continued role during the construction works, including the verification and approval of imported materials, analysis of settlement and slope stability, pile inspections, compaction control, monitoring of excavations, waste classification of soils, construction quality control during the laying and testing of the vapour membrane, indoor air monitoring, footing inspections, validation sampling and testing. Douglas Partners will be preparing a final site validation report at the completion of the project supporting the suitability of the site for the intended land use as a community and cricket facility.

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

Below PLAE International installed a range of world-class, high performance training surfaces to the Cricket Central facility.



In elite sporting environments, the strength and conditioning spaces are often the heartbeat of the facility. Energy, enthusiasm and the hard work that goes on within these spaces can set the tone of the wider organisation and perform a critical role in team morale and connection.

With an unrivalled record of designing and delivering such spaces in elite sporting environments, PLAE International were able to collaborate closely with Cricket NSW to bring the high performance training areas of the Cricket Central facility to life.

“PLAE had successfully worked with Cricket NSW previously, and were engaged early in the process of this new facility to put together some layout and design options” said Jarrod Reid, APAC Head of Sales for PLAE International. “This early involvement, to align the needs of the coaches with the ideal training surfaces and equipment, ultimately results in the best possible result for the client, the architect and the builders during design, construction and once the doors open”.

“Each facility PLAE are involved in has a different shape, parameters, characteristics and demands,” adds Jarrod. “By working in step with the coaches, project managers and all involved throughout the process, PLAE can ensure that we deliver a facility that takes everything into account and is going to be a functional training space for many years.”

Specifically in the Cricket Central project, a 40m x 3m Attack Turf track (the largest in elite sport within Australia) sits just outside the doors of the gym, is easily accessible and adds training versatility and connection to the strength areas. The performance turf surface aids in providing variety in training running mechanics, plyometrics, sled push/

pulls and other cricket-specific work. This track is complemented with a turf warm-up space within the gym in the same grey colour, adding lightness and comfort to the room.

Within the gym, eight inlaid rubber lifting platforms sit in front of the racks, complete with custom Cricket NSW logos. These provide designated zones for barbell work without any dangerous trip hazards or surface inconsistency, and assists in making the space flow well and feel very open, even with large groups of athletes training at once. PLAE even provided rubber surfacing for the throwing wall, adding further dynamic training options to the space.

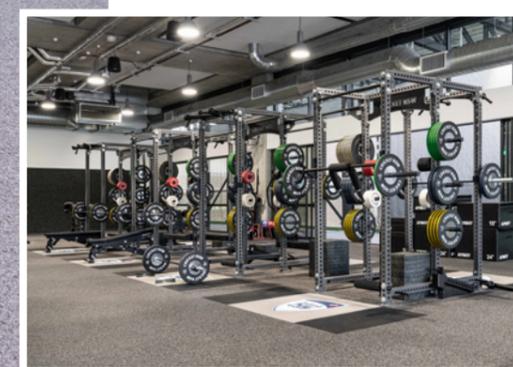
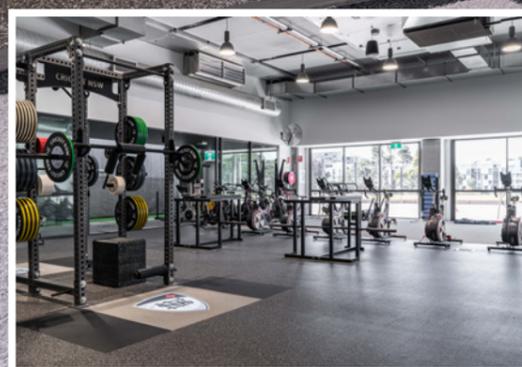
The majority of the strength equipment within the gym was also completed by PLAE, with the centrepiece being four linked Double Half Racks, maximising the programming options. With customised racks, bumper plates and dumbbells, in conjunction with the platform logos, there is a strong Cricket NSW feel which further strengthens the ownership and sense of place within the gym.

PLAE’s in-house design and project management team were heavily involved before, during and after installation, with render and shop drawing documentation, on-site management and flexibility within the program to meet the needs and variations of the job.

Brittany Royds, PLAE International Head of Design, reiterates how this helps the project run smoothly “The collaboration on this project from all of the stakeholders was instrumental in allowing the design team to help design, develop and document this facility. Utilising the latest in BIM technology PLAE International was able to seamlessly integrate their designs within this elite performance space.”

“PLAE’s involvement in the Cricket Central project aligns with our mission to continually innovate and delivery high-performance solutions and world-class experiences,” summarises Jarrod. “Our entire team is very proud to have been involved in this facility.”

For more information on PLAE and how they can assist your next project, please contact, Jarrod Reid (Jarrod.reid@plae.global) or visit www.plae.global





Below Eastwood Air Conditioning installed the air conditioning and mechanical services, including Daikin's VRV heat recovery systems.



VARI GROUP IS BUILT ON QUALITY. COMPETENCE. COMPLIANCE.

Vari Group is a privately-owned labour hire, traffic management company with an operating platform structured to ensure excellence in quality standards, competence, and compliance.

Our values and philosophies are based on respect and integrity, safety and wellbeing, communication, efficient responsiveness and service delivery through sustainability, continuous improvement, and innovation with evidence through our policies and procedures.

Vari Group worked with Buildcorp for over a year on the Cricket Central project, delivering competent and trustworthy labourers and traffic controllers who seamlessly blended with

the Buildcorp team and are proud to have contributed to the creation of the centre.

Vari Group has worked on some of Australia's largest projects and can meet any staffing requirements with immediate access to suitably skilled personnel. Projects include Sydney Football Stadium Redevelopment (John Holland), Campbelltown Hospital Redevelopment (CPB Contractors) and Waterloo Integrated Station Development (John Holland).

Vari Group have been in operation for eight years and have 180 employees who we utilise across a range of projects, including Cricket Central, drawing on their talents and experience as highly skilled Labourers and Traffic Controllers.



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Eastwood Air Conditioning installed all of the air conditioning and mechanical ventilation systems for Cricket Central.

“To meet the complex heating and cooling requirements of the Cricket Centre we installed Daikin's VRV heat recovery systems,” said Eastwood Air Conditioning Director, Dean Nowland. “These systems can simultaneously heat and cool different parts of the building.”

The Daikin VRV provides superior comfort levels due to the heat recovery process that allows waste heat from one part of the building to be redirected to another that requires heating. The result is significant energy efficiency gains compared to conventional HVAC systems. In conjunction Daikin VRV also has improved energy performance over its predecessors with the introduction of VRT Smart technology.

The company worked on the job for 12 months including COVID delays, with an average of eight staff onsite.

Eastwood Air Conditioning is a well established commercial and residential air conditioning and ventilation company servicing the Greater Sydney region. Whether your needs are small or large, Eastwood Air Conditioning has the resources to provide a quality

designed, fabricated, installed, commissioned and maintained air conditioning and/or mechanical ventilation project.

“We employ highly qualified estimating, project and mechanical engineers who are able to tender and install fully designed, or design and construct projects,” said Dean.

Eastwood Air Conditioning supplies residential air conditioning and maintenance. The team can step you through the type of air conditioning equipment, zoning/supply air registers, ductwork/fitings and electrical controls to help you choose the right system for your home.

Upcoming projects include the Sydney FC Centre of Excellence, Mirvac Industrial at Homebush and a number of logistics office warehouse facilities including the new Harvey Norman Logistics Centre in Casula.

For more information contact Eastwood Air conditioning, PO Box 123, Winston Hills NSW 2153, phone 02 9674 9944, website www.eastwoodair.com.au



Below Cre8tive Roofing Services Sydney was contracted to deliver all of the roofworks, box gutters, flashing and Danpalon cladding.



Cre8tive Roofing Services was contracted to deliver all of the roofworks, box gutters, flashing and Danpalon cladding for Cricket Central.

“It was a big job with some architectural elements we don’t usually see in residential or factory roofs,” said Cre8tive Roofing Services Director, Michael Gulino. “It was a great experience to work on such a high profile project.”

Cricket Central gave Michael and his team an opportunity to work with the Danpalon daylighting system. Danpalon is manufactured from the highest quality polycarbonate and is a complete daylighting solution offering exceptional quality of light, thermal insulation and UV protection.

“The entire assembly uses no caulking or adhesives, eliminating the difficulties of sealant and adhesive bond failure common to traditional systems,” said Michael. “The system also has windows that open, to help with air circulation.”

The welded stainless steel guttering was another specialised item Cre8tive Roofing Services were able to accommodate.

COVID restrictions and extreme weather were the only real challenges Cre8tive Roofing Services faced on this project. Approximately 10-15 staff worked on Cricket Central over a four month period.

Based in Narellan, Cre8tive Roofing Services Sydney has over 20 years industry experience and is a successful, family-run business. They offer a multitude of roofing services including roof repairs and replacement, guttering and downpipes, metal roofs, and skylights.

“At Cre8tive Roofing Services, we care about customer satisfaction and provide an honest, reliable and friendly service,” said Michael. “We always aim to deliver the highest standard of workmanship every time and with minimal interruption.”

Their current projects include reroofing crematoriums at Matraville and Sutherland, Bankstown Airport, a heritage refurbishment at Camden Airport and a number of schools and nursing homes.

For more information contact Cre8tive Roofing Services, 4/4 Forge Place, Narellan NSW 2567, phone 02 9790 6177, email info@cre8tiveroof.com.au, website www.cre8tiveroof.com.au