Great Places, for Life

Creating sustainable, healthy places where
Country, community and people can thrive.

Great Places, for Life

We must work together to create sustainable communities where everyone can thrive.

Our teams strive to create sustainable, healthy, prosperous places, equipped to flourish for generations to come.

We know that the conditions in which we are born, grow, live, work and age are critical to human wellbeing, and we are passionate about creating the strongest possible foundations.

We take a holistic approach to planning communities that are equitable, in balance with nature and Future Ready™ while always taking care to preserve what makes each one and each place unique.

With approximately 4,500 experts across 14 offices in Australia spanning economics, placemaking, connectivity and environmental services, WSP works with governments, local authorities, public sector organisations as well as private developers and investors - from defining the earliest concept and viability stages through to shaping project delivery and beyond.

Together, we have amassed decades of experience and honed a collaborative, holistic approach to helping communities to fulfil their full potential.

Buildings are the foundation of our communities, but their emissions are also driving the climate crisis. To continue to thrive, society needs net zero buildings.

This means not only designing and constructing new net zero buildings, but rethinking retrofit to prepare our existing buildings for a low-carbon future. These are the challenges we're helping developers, contractors, architects and local government tackle today.

"Cities and towns are more than just a collection of buildings and infrastructure. To deliver sustainable places, new and existing developments need to balance economic, social, environmental and political factors with best-practice planning procedures. At WSP, we work collaboratively with all levels of government, private organisations and local communities to design iconic buildings and vibrant community-centric places."

Damien Kenny
Director, Building Services NSW

Understanding Future Trends

Society | Australia's society is changing – the population is increasing and getting older. Our cities are densifying as a result. The Indigenous influence informing the design and management of our places will be crucial to prepare for tomorrow. People expect to control every aspect of their day – the rise of the individual is here.

Technology | Advances in technology are bringing about increased automation. While ubiquitous connectivity is transforming people's expectations of their physical and virtual environments. People are increasingly expecting their institutions to act transparently with their data and trust is essential.

Climate | Climate change is expected to increase the risks to our natural and built environments. Overheating in buildings will become more common. There will be more extreme weather events like bushfires, drought and floods. We will also experience increasingly drier conditions, hotter temperatures and rising sea levels.

Resources | The future availability of resources – particularly food, water, energy – is critically important to our prosperity. The circular economy, water scarcity, declining biodiversity and the role of renewables are key trends we need to consider for future ready advice and designs. Implementing strategies to reduce carbon in the built environment with zero carbon the ultimate goal.

Future Ready™ design and resilience

Future Ready delivers peace of mind, lower lifecycle costs and greater resilience. As a result, communities will have better places to work, live, study and play.

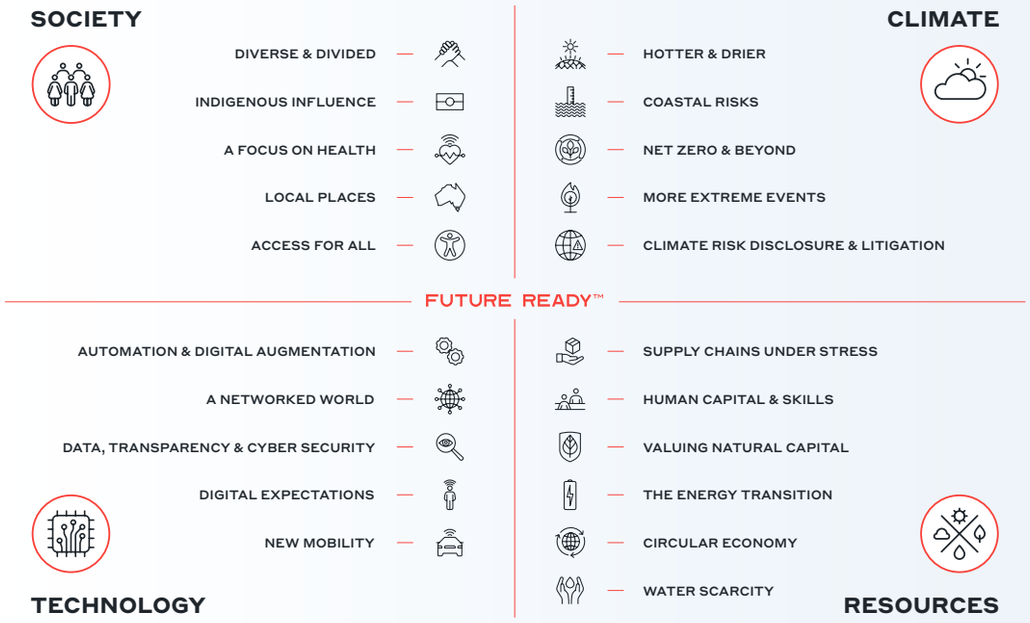
Our future world will be very different from today. Trends in climate, society, technology and resources will have a big impact on the communities in which we live, and the infrastructure we develop. For Australia – whether it's more extreme weather events, rising seas, densification of our cities, digital expectations, declining biodiversity or the circular economy – our clients need to understand and prepare for these trends now.

Future Ready is WSP's innovation platform. It enables us to design to both the current code and for this future world.

Through Future Ready, WSP brings clarity and vision to complex challenges. We see the future more clearly through key trends in climate change, society, technology and resources, and challenge our people to work with our clients to advise on solutions that are both ready for today and for the future.

Why Future Ready?

- Design codes don't always look far enough into the future we're anticipating.
- Large infrastructure projects can take 20+ years to build.
- Industry-changing technologies are being introduced faster than ever.
- No skyscraper has ever been dismantled.
- A building's mechanical and electrical system.
- On average has a 25-year design life.
- Bridges typically have a design life of up to 100 years, railways 50 years.



Leading the way in circular economies with Government

Policy and Guidelines

All levels of Government in Australia have identified a need to shift towards a more circular approach.

WSP's leadership in this approach means we are working with Government clients in preparing Circular Economy Policy and Guidelines to provide clear and practical guidance on the implementation of circular economy principles.

Our advice will assist clients transition to zero waste to landfill through waste generation reduction and materials circularity, establish opportunities for community involvement and education, and promote new employment opportunities.

Significant step for NSW

Supporting the NSW Office of Energy and Climate Change, WSP developed the Circular Design Guidelines to facilitate the transition to a circular economy through design choices.

This readily implementable guide has an educational purpose and provides a clear guidance on circular economy principles and design strategies for infrastructure, precincts and buildings.

The project also demonstrates our leadership in waste management and circular economy, with our team supporting the NSW Government to unleash the circular potential of the construction industry using a future ready approach.

The guidelines align with the NSW Waste and Sustainable Materials Strategy and support the achievement of the NSW 2050 Net Zero Goals.

Towards a Circular Built Environment

We need to take a holistic approach to designing circular cities and communities. Embedding Circular Economy principles in projects has the potential to benefit the environment. It can also provide significant financial savings for both public and private sectors. It is a worthwhile investment that will create great places to live, for generations to come.

We can no longer ignore that the construction industry is one of the largest consumers of natural resources around the world and a major contributor to waste production.

But what if we can stop viewing waste as a problem, and aim towards considering materials as a circular resource?

In the context of the built environment, it means to design out waste across the whole lifecycle of our buildings and cities by implementing circular design strategies.

Circular Economy requires us to make a positive shift away from the 'take, make, use and dispose' route towards a more circular approach where the value of products and built assets is maintained for as long as possible at their highest value.

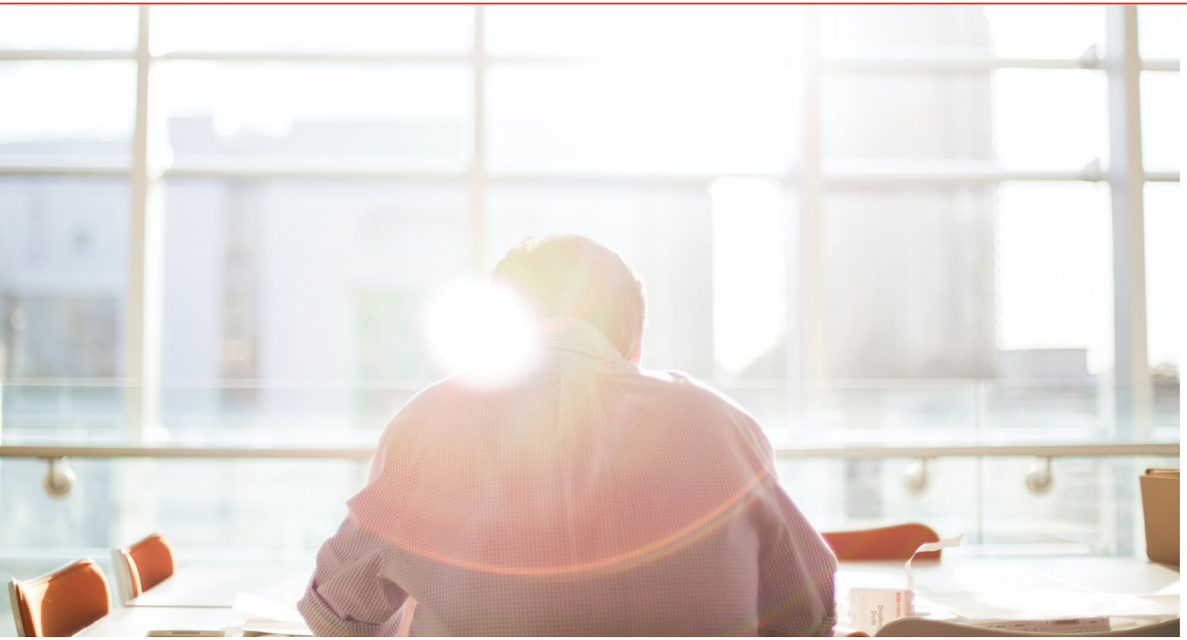
It benefits the environment by reducing the quantity of raw materials used and the related carbon emissions (Scope 3), but it can also provide significant financial savings and enhance social capital.

The earlier Circular Design principles are embedded in projects, the more opportunities there will be to identify and implement viable solutions to ultimately design out waste from the outset.

Circular Design Strategies

"A Circular Built Environment means that we 'design out' waste across the whole lifecycle of built assets and can contribute to making urban areas more liveable, resilient and sustainable. The earlier Circular Design Strategies are embedded in projects, the more opportunities there will be to identify and implement viable solutions for circularity. It all starts with good design."

Valentina Petrone
WSP Circular Economy Lead
WSP Changemaker



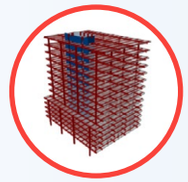
eCarbon Optioneering Studies

OPTION 1

- Insitu concrete core
- Insitu concrete band beam slab
- Insitu concrete columns

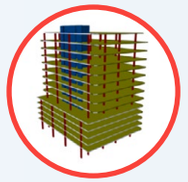
OPTION 2

- Insitu concrete core
- Insitu concrete flat slab
- Insitu concrete columns



OPTION 3

- Insitu concrete core
- Slab beams and Condeck slab
- Steel columns



OPTION 4

- Insitu concrete core
- Timber floor
- Steel columns

Delivering Net Zero

Together, let's create sustainable, net zero carbon buildings for a better, healthier future. Buildings are the hub of our communities. But they also produce up to 40% of the carbon emissions we release into the atmosphere. We're in the midst of a climate crisis. And we have a responsibility to cut carbon; to protect our people and planet; now and into the future. It's vital that we start designing and retrofitting net zero buildings.

But what does this actually mean?

We need to find the balance to cut carbon emissions while utilising renewable energy and carbon offsetting. This means reducing a building's whole-life carbon emissions, the carbon emitted by its construction and the carbon emitted by its operation. It means high-performing façades and utilising renewable energy and storage. It's also incorporating building systems that use energy smarter, and championing behaviours that save energy.

Reducing embodied carbon

WSP supports our clients' aspirations to reduce embodied carbon by giving them access to the knowledge and advice that allows informed decisions and implications to be taken.

We need to look at reusing existing buildings, designing more efficient structures that use less material, with less embodied carbon.

WSP provides structural options that quantify the embodied carbon allowing the best project decision to be taken.

Why invest in net zero designs?

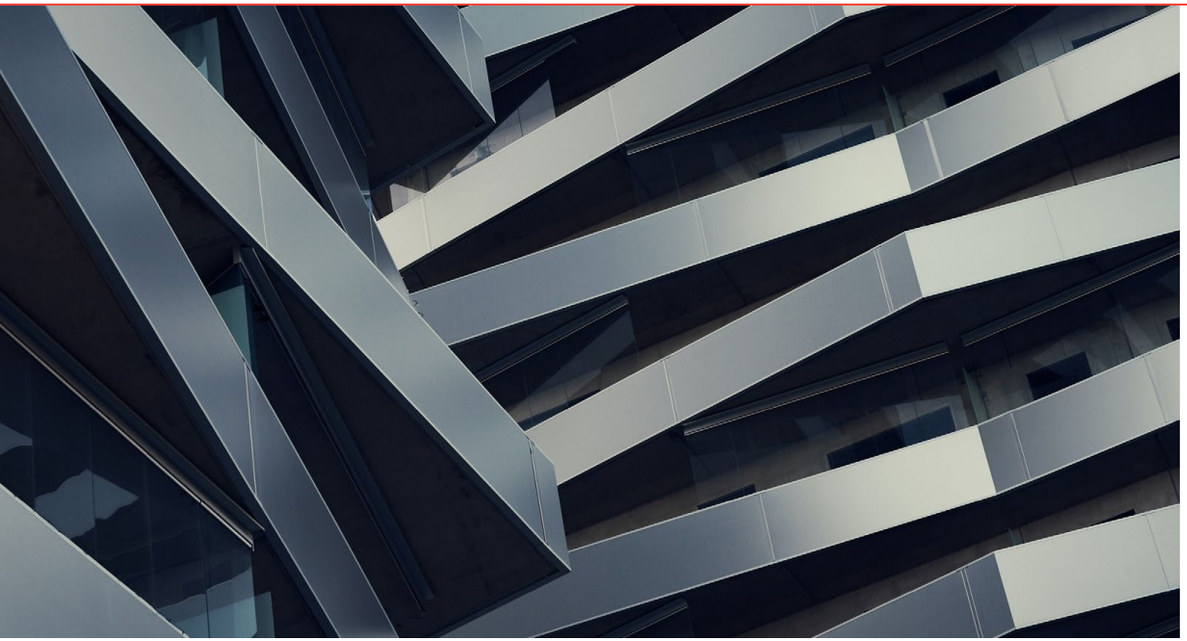
It's time to prepare for change. People are demanding healthy places to live, work and play.

Legislation will become stricter and property investors will see the returns on green investments.

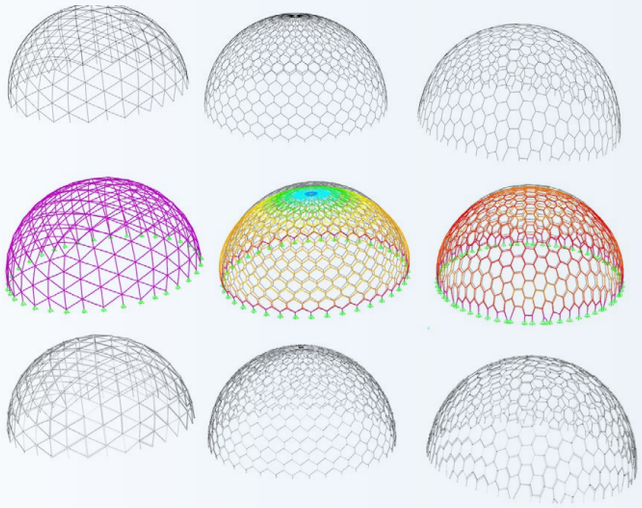
Choosing net zero will future proof projects so that your designs, construction and building performance will lead to a prosperous and sustainable future for you and the communities you serve.

"As scientists, engineers and consultants we are passionate about working closely with our clients to address the carbon footprint of projects, reduce emissions and limit climate change. WSP is committed to creating low carbon, sustainable cities and communities and delivering designs and advice which mitigate the impacts of climate change on our world."

Guy Templeton
CEO, WSP Asia Pacific



At WSP, our future ready thinking drives us to pursue digital innovations — enabling us to leverage data and to facilitate seamless collaboration at every stage of a project life cycle. Using the latest and most efficient methods for optimising and exploring design solutions enables us to generate options that are best suited for a variety of projects for the built environment.



Right: Different visual options generated enables the project team to effectively understand the pros and cons of various designs.

Computational Engineering and Digital tools

Our impressive arsenal includes a wide range of software, such as Rhino, Grasshopper, ShapeDriver, Dynamo and in-house tools. At the forefront of incorporating generative algorithms and tools in designing solutions for complex geometric structures, our design team can:

Improve efficiency

Computational Engineering and Digital tools allow for faster and more accurate design iterations, reducing the time and effort required to arrive at an optimal design solution. Our parametric capabilities allow us to make fast and fluid changes based on the changing variables to a project.

Increase accuracy

Our ability to utilise these tools in our project delivery means we can simulate and test various design scenarios and parameters, providing a more accurate prediction of the outcome. We test different variables to determine the best-fit design for the client's needs and aspirations, and our process involves measuring the solutions based on deflection, tonnage, embodied carbon which directly correlates to project cost and performance.

Enhance creativity

By using Computational Engineering and Digital tools, our designers can generate and evaluate a wide range of design options, exploring solutions that may be difficult or impossible to achieve using traditional design methods. Our team of experts can investigate design spaces that would be otherwise challenging or inaccessible with a standard two-dimensional approach.

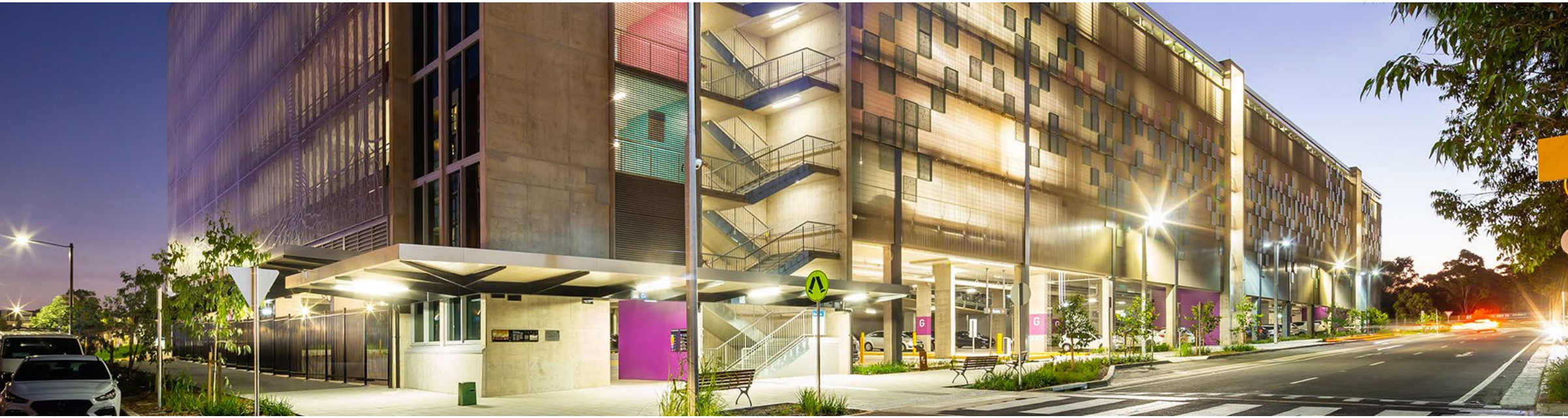
Sustainability

Our capability in this space enables us to consider variables to foresee the results in terms of cost, volume, constructability, performance, and carbon criteria. This allows us to select the best solution for a project, and we use this approach not only for our complicated geometric projects, but also for simpler traditional projects leveraging insights for all our clients.

Cost savings

The ability to iterate and test designs digitally can reduce design in materials and helps to reduce need for physical prototypes, which can be expensive and time-consuming.

At WSP, we empower our clients and architects to craft a building that responds to the multiple drivers and different ways required in a project. Our process enables them to adapt and quickly respond to changing requirements while keeping the project's overall goals in mind. And in turn, this supports our net zero commitments to create innovative, sustainable, and cost-effective solutions for the built environment.



Future proofing our community car parks

> "To assist with the ongoing electricity usage, our team considers the use of solar system designs. Future proofing these commuter car parks in such a way prepares us for the future trend of electric vehicles as they become more and more accessible to all."
>
> Ivan Pena
> Director of Building Services

WSP was engaged to support Transport for NSW and their delivery partner AW Edwards on the Leppington and Edmondson Park North and South Commuter Car Parks. These community-centred car parks go beyond the basic purpose of convenience for commuters.

The car parks incorporate significant sustainability and future ready features and contribute to the amenity of their locations as large-scale canvasses for the work of a local Aboriginal artist.

The car parks have been designed to achieve a carbon-positive outcome, considering whole-of-life emissions including construction activities, embodied emissions from materials, and 50 years of operation.

Key initiatives to achieve this Net Zero vision include the incorporation of a rooftop solar PV, that generates 2.3 times the amount of energy required. These car parks also include electric vehicle charging stations to encourage the shift to low-emission vehicles. Other energy savings come in the form of highly efficient LED lighting with motion sensors and daylight dimming sensors.

The structural design and construction materials also contributed to the sustainability target. The designs were optimised to reduce the amount of concrete and reinforcing steel needed and replaced with sustainable alternatives.

These are described as landmark car park projects for Transport for NSW for their standout Net Zero credentials, as well as for their sensitive incorporation of Indigenous design concepts and aesthetics.

"My favourite part of the project was being able to turn a car park into a canvas for Aboriginal art which we don't often see, particularly at that size and scale." says Michael Hromek, WSP's Technical Executive of Indigenous (Architecture), Design and Knowledge.

WSP is proud to continue supporting multiple contractors to deliver the Commuter Car Park Program for Transport for NSW. The design work we delivered including, Building services as well as Structural and Civil services considered many of the NSW decarbonisation initiatives such as enabling electric cars to be charged at the commuter car parks.

Sectors

- Cities & Places
- Future Ready
- Transport

Services

- Sustainability
- Indigenous Specialist Design
- Digital Services
- Building Services
- Structures
- Civil

Sydney Modern Art Gallery

The first public art museum in Australia to achieve a 6-star Green Star design rating. WSP worked with Atelier Ten and the Art Gallery of New South Wales during the design phase to ensure ecologically sustainable design outcomes were achieved.

Image Credit: Artist impression - Image credit: Kazuyo Sejima + Ryue Nishizawa / SANAA © Art Gallery of New South Wales

With no significant expansion in over 30 years, the current spaces in the Art Gallery of NSW (the Gallery) are working beyond their capacity. By almost doubling existing space with a new standalone building and enhancing the display area, the Gallery can now show more of its collection alongside major Australian and international exhibitions.

Adaptive re-use of a decommissioned Second World War naval fuel bunker, now known as the Tank, makes this 2200sqm space one of Australia's most unique art destinations.

This transformation has enabled public access to a significant State asset for the first time, and the Art Gallery envisages this to be a special place where visitors feel connected to Country whenever they are in this beautiful setting.

The Gallery has set a new sustainability standard by becoming the first art museum in Australia to achieve the highest environmental standard for design. The Sydney Modern Project has been awarded a 6-Star Green Star design rating from the Green Building Council of Australia. This rating exceeds the Gallery's original 5-star goal and sets a new standard for art museums globally. WSP developed this holistic sustainability strategy for the Sydney Modern Project in conjunction with the architectural team and the Gallery during the design development phase of the project. Stretching the approach to go 'beyond the brief', sustainability was addressed across a broad range of aspects including operation, energy, ecology, water efficiency and transport.

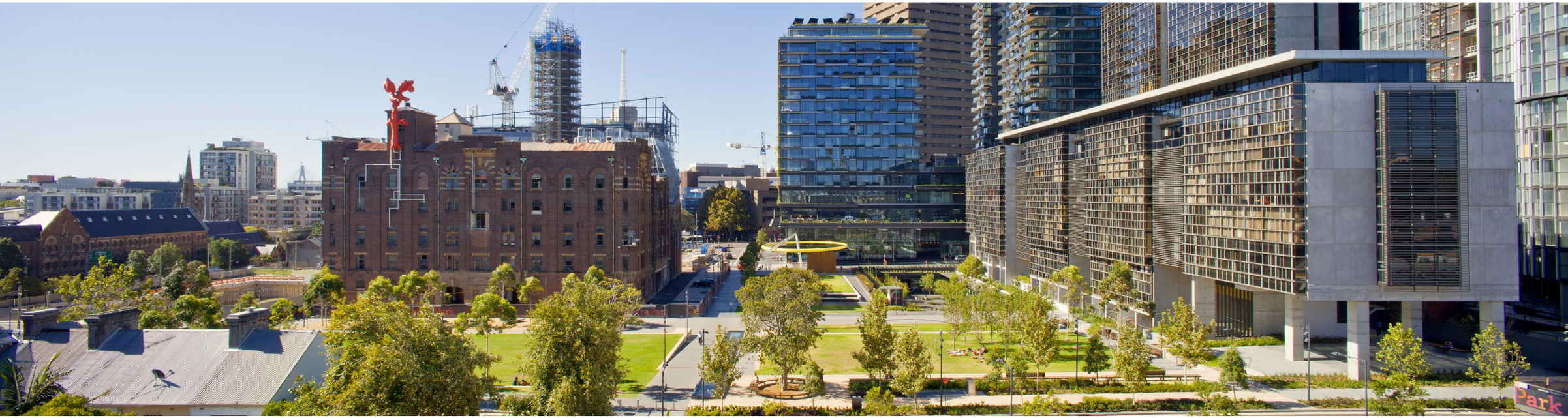
A balanced perspective was required to develop a healthy and sustainable space for a variety of different art types, people, places and energy efficiency. Requirements had to be met for temperature and humidity set points and inertia controls for gallery spaces, as well as managing the exposure to solar radiation and natural lighting level limits. As a result, WSP developed an approach that prioritised achieving required conditions for artworks, whilst driving energy efficiency.

Sectors

- Arts & Culture

Services

- Building Services
- Fire & Safety
- Sustainability



Central Park (Sydney)

This project is at the forefront of environmental sustainability initiatives in Australia. Featuring industry-leading initiatives including tri-generation, recycled water and district thermal and water utilities, the precinct has changed how developers approach mixed-use projects. WSP has played a key role in this project delivering a range of services.

Central Park Precinct is the largest urban regeneration project of its kind in Sydney. With an abundance of public parkland, the area comprises of mixed-use residential (including student accommodation), commercial, hospitality and retail facilities, and a unique public recreational activity area.

The project is set to become Australia's greenest urban village, taking the former Carlton United Brewery site in Chippendale, and creating a people-centric, new destination for Sydney. This billion-dollar project involved the regeneration of the 5.8-hectare site to create a mix of new residential, commercial and retail, as well as recreational activity in the main area of parkland and other open spaces.

Striving for the highest sustainability rating, Central Park aims to use sustainable energy and water infrastructure at a scale not seen before in Australia. To cover the precinct's energy and water needs and to deliver wider benefit to the surrounding communities.

To achieve a high environmental rating, Central Park incorporates world-class social and environmental sustainability initiatives, including housing its own on-site tri-generation plant and recycled water network.

Central Park Sydney has already received various international and national awards including a Gold Award for Excellence for Sustainability in Design for its urban utility strategy.

Sectors

- Cities & Places
- Commercial
- Hospitality
- Residential
- Retail

Services

- Sustainability
- Mechanical
- Electrical
- Hydraulics/Plumbing
- Vertical Transportation
- Fire Safety
- Fire Protection
- Precinct Master Planning
- Lighting

Image Credit: Simon Wood

Q Building - The University of Newcastle

Australia's first mass timber structure in Newcastle, and Regional NSW's first 6 star rating as recognised by the Green Building Council of Australia (GBCA). The University of Newcastle had a vision to achieve a sustainable state-of-the-art building to house its creative disciplines of Media Arts Production, News and Digital Media, Animation, Creative Arts, Performing Arts, Song writing and Music Production.

It is now the new home to two of the University's industry and community engagement facilities, housing the Future Arts and Science and Technology Lab (FASTLab)– a living lab and translational research centre, as well as the Integrated Innovation Network Hub (I2N) dedicated to the incubation, start-up, scale-up and launch of new commercial ventures.

Contributing significantly towards the Newcastle community, WSP along with Hansen Yuncken and EJE Architecture, delivered the 6 Green Star rating, making it the first in regional NSW.

The GBCA certification represents sustainability across all elements of the project. Developed for the Australian environment, Green Star is an internationally recognised rating system setting the standard for healthy, resilient, positive buildings and places.

The mass timber design has significantly reduced the embodied carbon in the building by 58%. Using WSP's Future Ready™ framework, we provided holistic sustainability advice to set the building on a trajectory to world leadership performance. This included advice on waste management, solar PV system design, an innovative electrochromic façade, as well as a rainwater capture, storage and reuse system. We also conducted a life cycle analysis to show deep whole of life carbon reduction of 92% compared to a business as usual approach.

Q Building features a concrete core, with its remaining internal structure built using sustainably sourced, glue-laminated timber.

The building reflects the leadership of the University of Newcastle in transitioning to a more sustainable economy, providing inspiration for others in the Hunter region to act on climate change.

Q Building has positioned the University well in advance of the targets they have set in the Environmental Sustainability Plans. This is a significant step towards being carbon neutral by 2025 and WSP are proud to be a part of this journey.

Sectors

- Cities & Places
- Education
- Future Ready

Services

- Sustainability
- 6 Green Star rating

City Tattersall Club

City Tattersall Club is a 50 storey hotel and residential tower sitting over and through the heritage 6 floor podium. The tower is sensitively positioned within the heritage podium - reinvigorating the club levels while bringing a new iconic tower to the Sydney skyline.

Sectors

- Commercial
- Hospitality
- Mixed Use

Services

- Structures
- Civil
- Sustainability

Working collaboratively as part of the design team with the developer ICD, the architects of the tower BVN and the heritage podium architects FJMT, WSP provided design support (Building Services, Vertical Transportation, Sustainability, Fire engineering, Acoustics, Structural and Civil engineering) from DA submission, stage 2 DA to tender documentation. Through our recent acquisition enstruct, we continue to provide Structural and Civil services for the construction partner Richard Crookes Construction.

The City Tattersalls Club renovation creates a destination hotel built through and over the heritage podium. Our structural experts appreciated that the structure had to weave its way around and through the heritage sensitive podium. With the design structure remaining respectful of the important heritage items while still being constructable.

WSP conceived of methods to create the additional space under the heritage building and considered how to weave the existing structure into the new to bring the structural capacities up to current code, and with minimal modifications to the frame.

The tower offers challenges with cantilevers in two directions over the heritage podium. WSP enabled the architecture by achieving these cantilevers with walking walls. Enabling the architect to position the columns within the building for the best fit of the layout whilst achieving the necessary structural support. Minimising the impact on the layouts and providing constructability concepts that enable the contractors to control the tendering risk.

88 Walker Street

With its striking cantilever over the heritage listed Firehouse bar, this 50 storey tower will be the tallest building in North Sydney. The team adopted innovative servicing strategies to deal with the condensed floor plates and stringent sustainability targets to ensure the successful delivery of this iconic commercial tower.

Sectors

- Commercial
- Hospitality

Services

- Building Services
- Structures
- Vertical Transportation
- Acoustics
- Sustainability
- ASP Level 3

Image Credit: FJMT

In responding to changes in climate, extreme weather events such as cyclones, strong storms, intense rainfall, heatwaves and droughts were considered in the design. 88 Walker is a unique building, occupying air space above a neighbouring property.

The 10m long cantilever transferring 45 storeys over the heritage-listed Firehouse Hotel, lead to substantial composite steel and post tensioned concrete transfer structure being developed at the base. The eccentric loading required complex analysis of creep and shrinkage to control the lean on the tower and complex analysis of building dynamics for wind loading.

The building is targeted to achieve a 5-Star Green Star rating, demonstrating Australian Excellence by being a high environmental performer that addresses social issues relevant to the building owner. It is also targeted to achieve a 4.5 NABERS rating upon completion.

Key to this project was considering the changes in urbanisation and community expectations for local places. Cantilevered above the 1895 heritage listed Firehouse Hotel, 88 Walker distinguishes North Sydney's skyline as a unique local place for the city's inhabitants.

Catering to the demands of the area's population density, the tower's design makes efficient use of its limited ground floor footprint featuring, a 252-suite hotel with a reception, restaurant, executive lounge, gym, ground level retail, commercial end-of-trip amenities.

Through close consultation with our client, and assessing the project's needs through WSP's Future Ready™ framework, WSP was able to conceive groundbreaking solutions which met all of our client's requests. Without sacrificing style for functionality, 88 Walker Street is a benchmark that sets the visual blueprint of what future buildings can look like.

210 George Street

210 George Street is a landmark office development designed by Grimshaw for developer Poly Global.

The building is a 30 storey office tower with every other floor set back from the façade line to create internal double height communities.

Sectors

- Commercial
- Mixed use

Services

- Structures
- Civil
- ESD

To realise the potential of this design, our structural experts positioned the tower core to the side of the footprint to create large floor plates. This opens up what would otherwise have been a tight site.

WSP engineered the interface with Sydney Metro tunnels which runs east west through the site under the building footprint.

The post tension floor plate spans from the core to the façade columns, giving a clear span space for the office. The architecturally design façade columns create an arch form that is reflected in the façade profile. The Arch columns are used structurally and help reduce the spans of the post tension floor, lowering the reinforcing rates across the structure.

The precast façade was then used architecturally to enable the structure to be constructed quicker than a conventional reinforced concrete solution.

The roof of the building is a curved steel portal frame that exposes the frame to the penthouse office suite, which aesthetically mirrors the reinforced concrete arch lower in the structure.

Sydney Metro Northwest

Sydney Metro Northwest (formerly North West Rail Link) is the first stage of Sydney Metro – Australia's largest public transport project, set to be the first fully-automated metro rail system in the country. WSP has incorporated a suite of new technologies never before used on projects of this scale, including full Building Information Modelling.

Sectors

- Transport

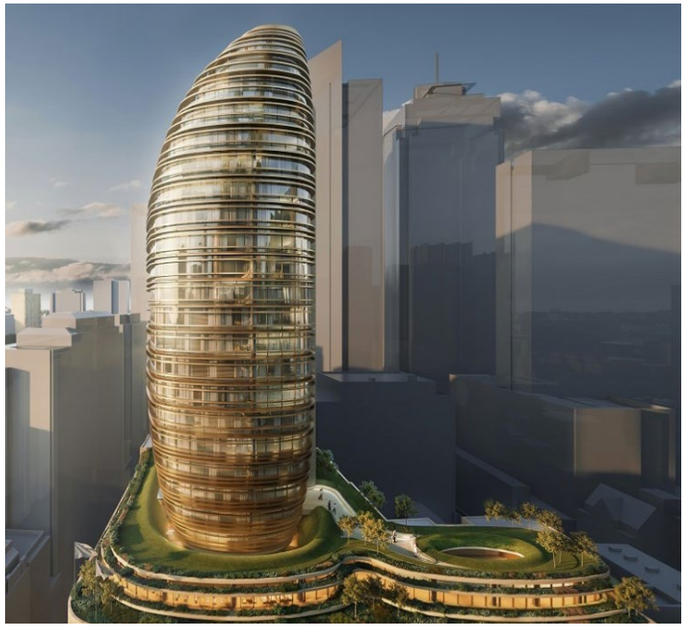
Services

- Building Services
- Specialist Lighting
- Fire & Safety
- ASP Level 3
- Sustainability
- Vertical Transportation
- Building Information Modelling
- MEP
- Acoustics

Sydney Metro Northwest now includes 36 km of rail line from Rouse Hill to Chatswood, eight newly constructed railway stations and five upgraded existing stations, providing accessibility and capacity for commuters. The project created 15 km of twin tunnels between Epping and Bella Vista, a 4 km elevated skytrain between Bella Vista and Rouse Hill, and a 270m landmark cable-stayed bridge over Windsor Road at Rouse Hill.

As Technical Advisor for the project, our team performed due diligence on information related to engineering and infrastructure, used computerised alignment design to verify and optimise the alignment and minimise impact on properties while maximising train speeds, and used GIS tools to investigate hydrology impacts and produce aerial flyovers. With this knowledge, the client had confidence to investigate options and make strategic decisions in liaison with key stakeholders.

Our Property team was engaged separately during delivery to provide detailed design documentation for the Operations, Trains and Systems (OTS) package. Under the OTS package the Property and Buildings team specified and delivered the MEP, vertical transportation and specialist lighting services for all new and existing stations, services facilities, pedestrian bridges and traction substations for the first stage of the Sydney Metro, as well as sustainability, acoustic and environmental requirements for the Surface and Viaduct Civil Works package.



77 Market Street

The iconic David Jones Market Street Store in Sydney CBD is subject to a mixed-use development to provide new flagship Westfield Retail, 12,000m² premium commercial space and a new luxury 22-storey residential tower. WSP have provided consultancy services to the Joint Venture clients from DA through detailed design to Tender.

Sectors

- Commercial
- Residential

Services

- Building Services
- Civil
- Sustainability
- Fire & Safety
- Acoustics

Intercontinental Hotel

The refurbishment to a significant heritage building in Sydney CBD included the modification of existing rooms with new interior design and upgrade works whilst remaining fully operational. This involved replacement of roof mounted cooling towers and window upgrades within the existing façade for improved energy efficiency.

Sectors

- Hospitality

Services

- Building Services
- Sustainability

1 Parramatta Square

This 14 level, 23,700m² vertical campus in Parramatta is one of the most technologically advanced teaching and research spaces in the world. A thriving educational community that connects students, business and government and housing over 10,000 students.

Sectors

- Commercial
- Workplace
- Education

Services

- Building Services
- Specialist Lighting
- Fire & Safety
- ASP Level 3
- Sustainability
- Security
- Acoustics

Integrated Services

Our extensive multi-discipline capability enables us to provide a full range of design, project management and environmental consultancy services at every stage of your project – from strategic planning and analysis, through engineering and construction, to maintenance and operations.

URBAN PLANNING
- Master Planning
- Urban Renewal / Regeneration
- Transit Oriented Development

ASSET MANAGEMENT
- Strategic Assessment
- Asset Maintenance Plans
- Transit Oriented Development
- Dilapidation Surveys
- Asset Registers

STRUCTURAL
- Structures
- Civil

BUILDING SERVICES
- Mechanical
- Electrical
- Hydraulics
- Fire Protection
- Vertical Transportation

SPECIALIST SERVICES
- Acoustics
- Fire Engineering
- Specialist Lighting
- Façades
- Waste & Circular Economy

SURVEYING
- Boundary and easement
- Detail/topographic
- Monitoring and construction
- Land Use Acquisition

SECURITY
- SCEC
- Business Continuity
- CPTED
- Security Threat and Risk Analysis
- Electronic Security Systems
- Blast Analysis

DIGITAL
- Big Data
- Data Analytics
- Intelligent Buildings

TECHNOLOGY
- Technology Strategy and Master Planning
- Audio Visual and Technology Systems
- ICT
- Telecommunications
- Integrated Smart Buildings
- Digitisation Planning

SUSTAINABILITY
- Sustainable Design
- Green Star
- NABERS
- Master Planning
- Section J Compliance
- Energy
- Reconciliation
- Urban Renewal/Density
- WELL

TRANSPORT
- Rail
- Bridges
- Roads
- Tunnels
- Tunnel Systems
- Asset Management and Network Performance

ENVIRONMENTAL
- Due Diligence Assessments
- HAZMAT survey, removal and validation
- Contaminated Land Management
- Environmental Planning and Approvals
- Ecology and Biodiversity
- Stakeholder Management
- EHS Management Systems and Compliance

INTEGRATED TRANSPORT
- Traffic Engineering
- Transport Planning
- Transport Modelling
- Pedestrian Modelling
- Cycling and Active Transport
- Intermodal

6,600
Employees in Australia and New Zealand

65,000+
Employees globally

550+
Offices

40
Countries

Our Experts

WSP has a dedicated team of building and property experts. With decades of experience in the sector, we partner with our clients to deliver future-proof solutions.

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Fiona Venn
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Katie Fallowfield
Director, Sustainability
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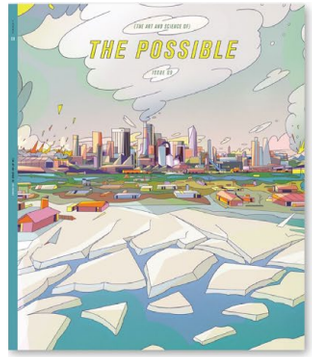
Imagine *The Possible*

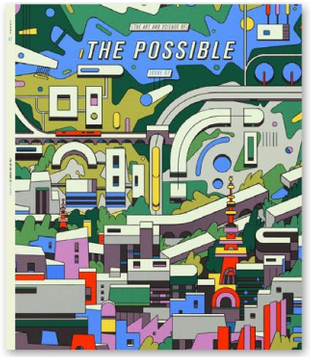
Our strength is our ability to adapt to our client culture and local markets. We provide our clients with the same personalised services as a specialist firm, while at the same time leveraging our worldwide expertise to undertake the most complex projects and assist our clients to realise their ambitions.

Through connected thinking and drawing upon our global insights, we invite you to explore with us the ideas and innovations that could help create better functioning, healthier, more sustainable places.

The Possible is a print and digital magazine published by WSP about the future of cities, and all of the built and natural infrastructure that supports them.

Our goal is to inspire, inform and encourage discussion about the challenges ahead, and to bridge the gap between blue-skies thinking and what's possible now. *What if we can?*





WSP acknowledge the Traditional Owners of the land on which we work:
our offices and sites where our projects are planned, designed and constructed.

We honour their ongoing spiritual relationship with their Country and
continuing connection to culture, community, land, sea and sky.

We pay our respects to their Elders past, present and emerging leaders as well
as all our Aboriginal and Torres Strait Islander staff members.

Visit the WSP Placemaking campaign page to learn more

WSP Australia

WSP is one of the world's leading professional services consulting firms. We are dedicated to our local communities and propelled by international brainpower. We are technical experts and strategic advisers including engineers, technicians, scientists, planners, surveyors and environmental specialists, as well as other design, program and construction management professionals. We design lasting solutions in the Transport & Infrastructure, Property & Buildings, Earth & Environment, Mining & Energy, and Water sectors and are at the forefront of integrated digital innovations. With approximately 5,000 talented people in 14 offices across Australia, we engineer Future Ready™ projects that will help societies grow for lifetimes to come.

wsp.com/au