



FUTURE
READY®

Fact Sheet



Question today Imagine tomorrow Create for the future

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. The benefits? Our clients will realise peace of mind, lower lifecycle costs and bolster resilience. Communities will have better places to work, live, study and play.

As technical experts and strategic advisors, WSP considers the effects that trends in climate, society, technology and resources will have on our communities into the future. We help our clients look beyond traditional paradigms with design solutions that have a future bias.

For example, how can we make sure a bridge will meet future infrastructure hardening criteria? How can we anticipate city-based energy requirements for electric vehicles? How can we connect communities to improve access to healthcare and social networks? How do we create new, resilient places for people?

Our Approach

Future Ready is WSP's global innovation platform. It helps our people think beyond the conventional so that we can design and deliver advice and infrastructure that is ready for the changes and challenges our world will face in the future. Being future focused, understanding what the world might look like in the next several decades, and taking action to prepare for this future, is essential to what we do at WSP. Our clients count on it and our communities thrive because of it.

WSP has developed an innovation platform that:

- Assesses the key trends affecting our clients and communities, and the impact they may have on projects in the future.
- Considers how future trends can be addressed in designs to deliver immediate value as well as long-term benefits.
- Provides thought leadership to better understand what trends mean for our clients, people and places, and innovative approaches for integrating these trends into project solutions.

Understanding Future Trends

Climate



Climate change is expected to increase the risks to our natural and built environments. 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.

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.

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.

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



About WSP Australia

WSP is one of the world's leading engineering professional services consulting firms. We bring together approximately 5,400 talented people based in more than 50 offices in Australia and New Zealand. We are technical experts who design comprehensive and sustainable solutions and engineer projects that will help societies grow for lifetimes to come. wsp.com

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