

Kenepuru Science Campus

New Zealand Institute of Public Health and Forensic Science



Mā te huruhuru ka rere te manu

*Adorn the bird with feathers
so it can fly*







World-Class Science

PHF Science is building a new approximately 4,000m² laboratory facility on the existing PHF Science Kenepuru campus in Porirua City. The new facility will grow PHF Science's capability in emerging areas of science, technology and research.

The new facility will include an innovation hub and 1,500m² dedicated to laboratories and a forensic service centre. The project is an enabler for the creation of innovative products and services for local and global communities, for the enduring benefit of New Zealanders.

It will facilitate best-practice in research and encourage multi-science collaboration internally and externally.



The new facility is a two-storey building with highly efficient floorplates for PC2 laboratory and workplace functions. The building will be environmentally designed to reduce both embodied and operational carbon. It also provides increased resilience for PHF Science.

PHF Science has worked closely with local iwi, Ngāti Toa Rangatira throughout the design process. The building reflects our shared values and environmental focus and will facilitate close engagement with our community.







Science into the Future

The new facility will expand PHF Science's forensic analytical science and capabilities in health security science. The building will also house PHF Science's Wellington Forensic Services Centre.

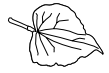
The PC2 laboratories will support modern workflows, quality standards and compliance requirements across our core capabilities.

The laboratories have been designed as large, open-plan, flexible spaces to provide maximum utility and support changing needs and future developments in science.

The large open-plan format allows similar capabilities to share physical footprint and core infrastructure, complemented by specialist areas that will be utilised across PHF Sciences's range of science platforms.

The laboratories will be supported by a range of work settings that will support interaction, collaboration and knowledge-sharing. The Innovation Hub provides a flexible space focused on information and innovation with space for training, teaching and new product development.

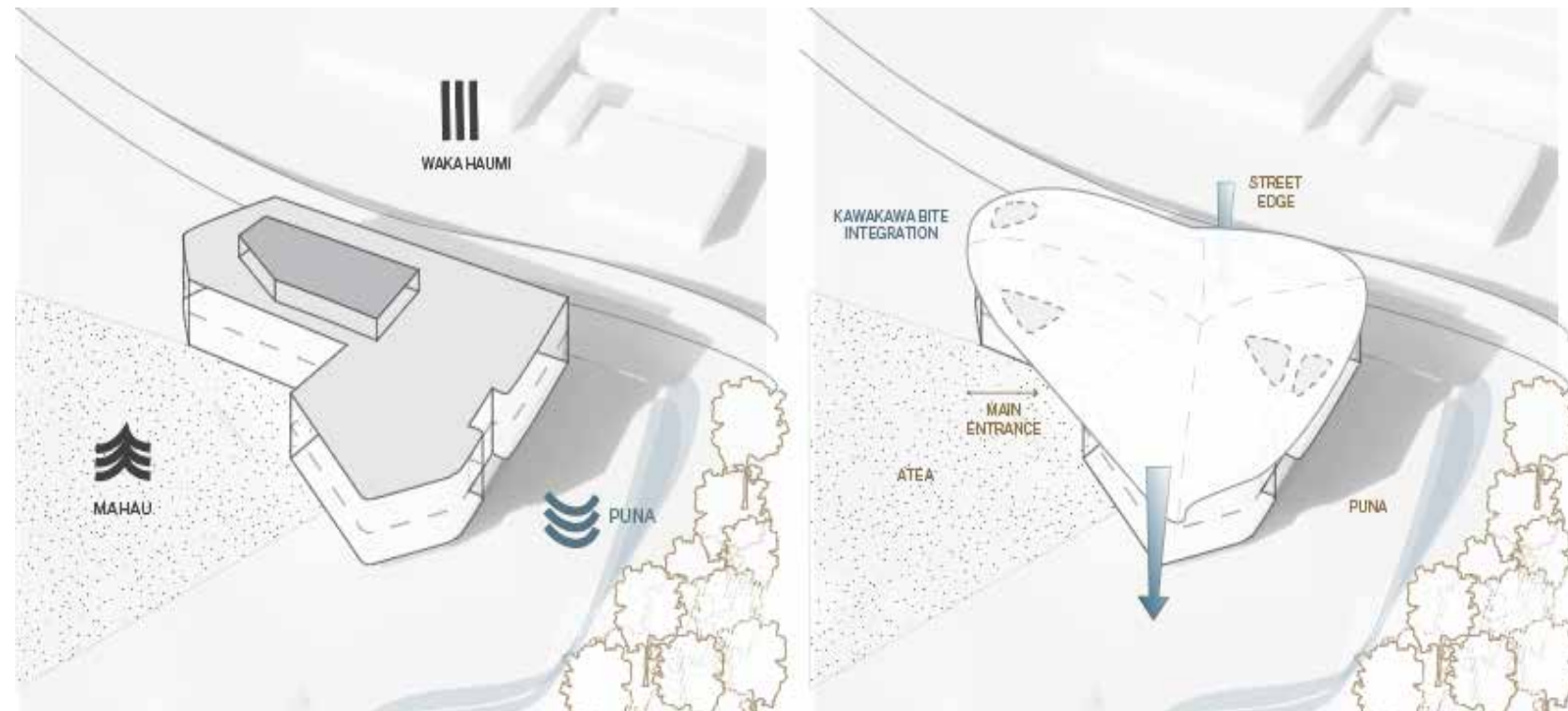




Mana Whenua

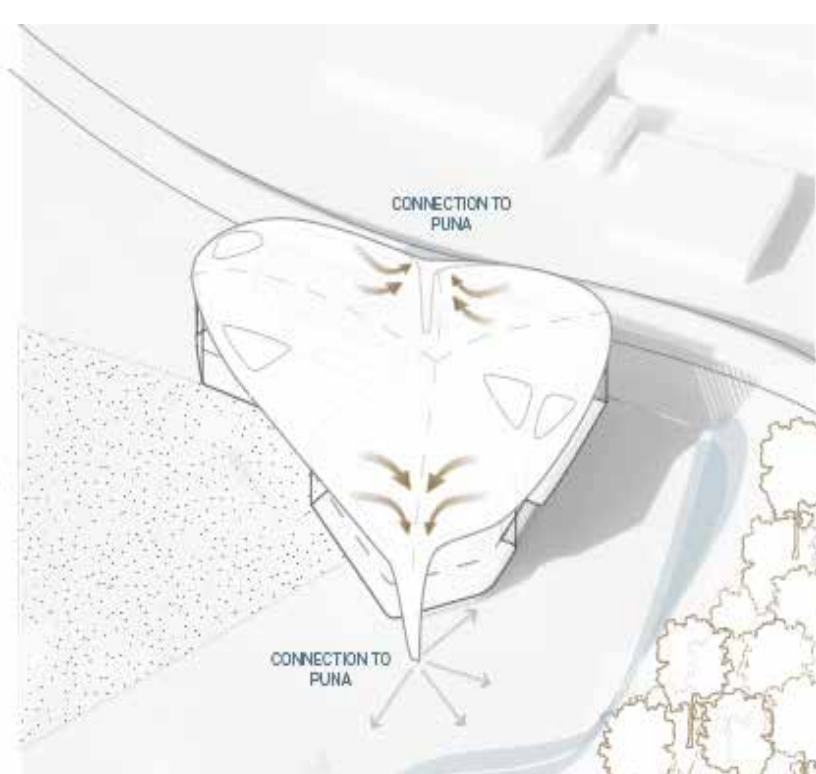
The design for the new building is the result of deep and meaningful engagement between PHF Science and Ngāti Toa Rangatira. The facility will provide a platform to further this relationship and share mātauranga (knowledge) through innovation in science and Te Ao Māori world views.

This unique co-design approach identified the importance of the Puna (the underground stream) on the site and set wai (water) at the very heart of the design. It forms the organisational backbone for the entire site, informing future masterplanning, layout of the new building and the connections, both visual and physical across the site. This also drove a building that responds strongly to the environment.



The building form itself is inspired by rau kawakawa, a resilient native plant with deep meaning for Ngāti Toa Rangatira. It symbolises regeneration, new life, and healing power.

Externally, the organic roof form mimics the kawakawa leaf and provides shelter, rainwater harvesting and solar generation. It gently drapes to touch the ground at three points marking Puna (stream), Mahau (porch) and Waka Haumi (beacon/presence) - the three cornerstones from Tāhū Kei Runga Rā (design themes).



The co-design strategies continue inside with the spatial organisation taking cue from Māori architecture, which also informs decorative elements such as the kawakawa feature ceiling in the wharekai.



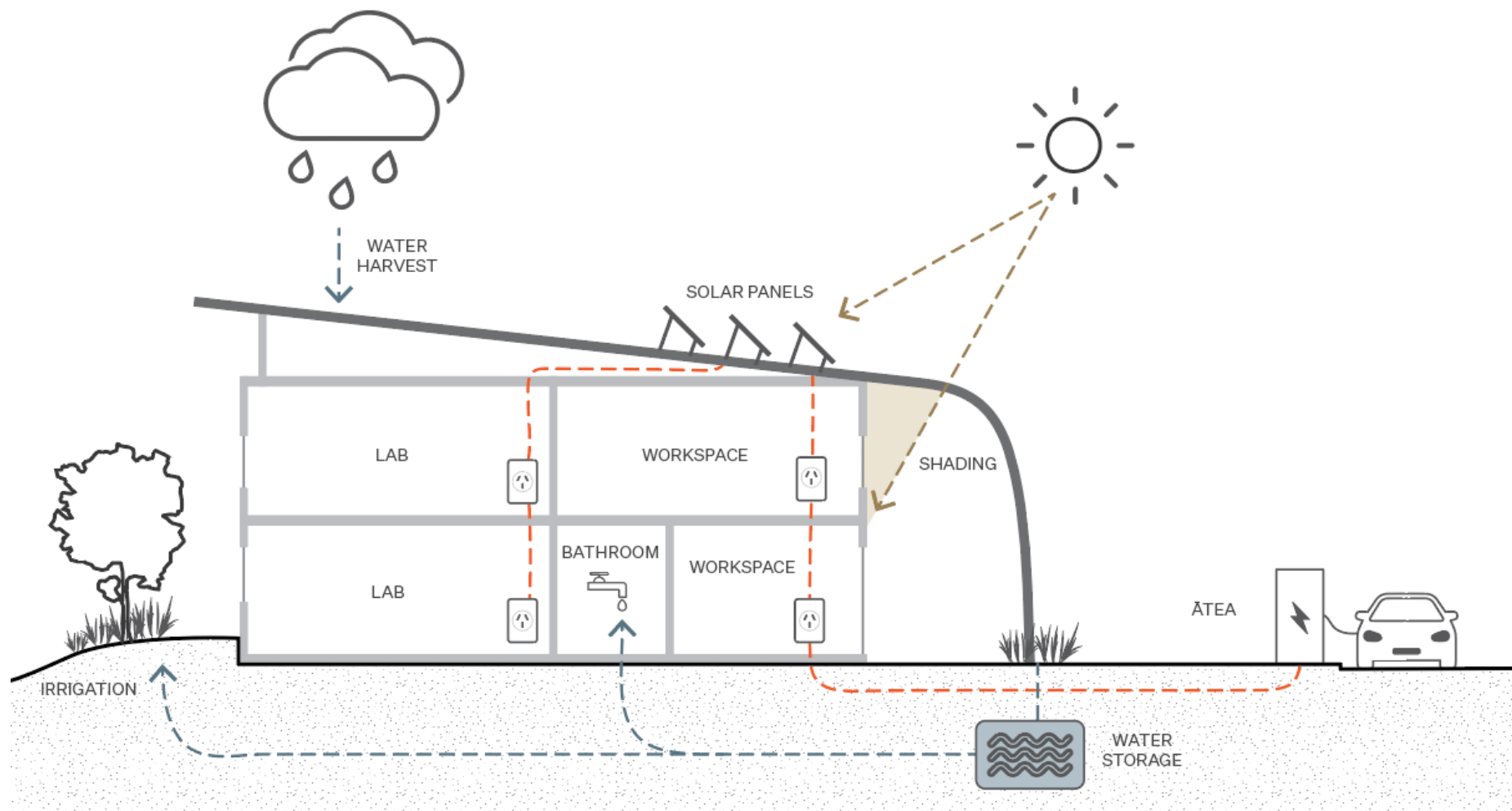
Sustainability

The new building will incorporate a range of environmental initiatives, with a focus on reducing carbon emissions. It will incorporate inbuilt systems and sensors to measure, verify and report on emissions and provide on-site EV charging.

The building will be energy and water efficient, low impact, and is Green Star accredited. Its form, orientation, solar shading, roof pitch for solar panels, and rainwater-harvesting strategies have all been considered.

Increased thermal performance requirements, efficient services for lighting, heating and ventilation will reduce energy consumption.

Other environmental features include replacing, as far as practicable, all fossil fuel use with electricity or other lower-carbon energy source to reduce carbon. The building will actively reduce water use by improving the efficiency requirements of potable water systems and rainwater harvesting.

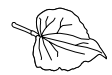


The biophilic design influences the interior layout and promotes functional, cultural and operational needs, providing links to sunlight, views and nature. It will enhance the occupant experience, wellbeing, and productivity by providing an environment that is engaging and healthy.

Careful consideration has been given to material selection to increase efficiency by using less material, including reducing waste and minimising replacement over the building's lifecycle. Lower carbon alternatives, such as locally sourced materials, are being explored to reduce embodied carbon.

The building enables an appropriate level of future flexibility to help accommodate alterations and changes in use. It will be durable, safe and resilient, easy to maintain and operate ensuring long life with low impact on the environment.

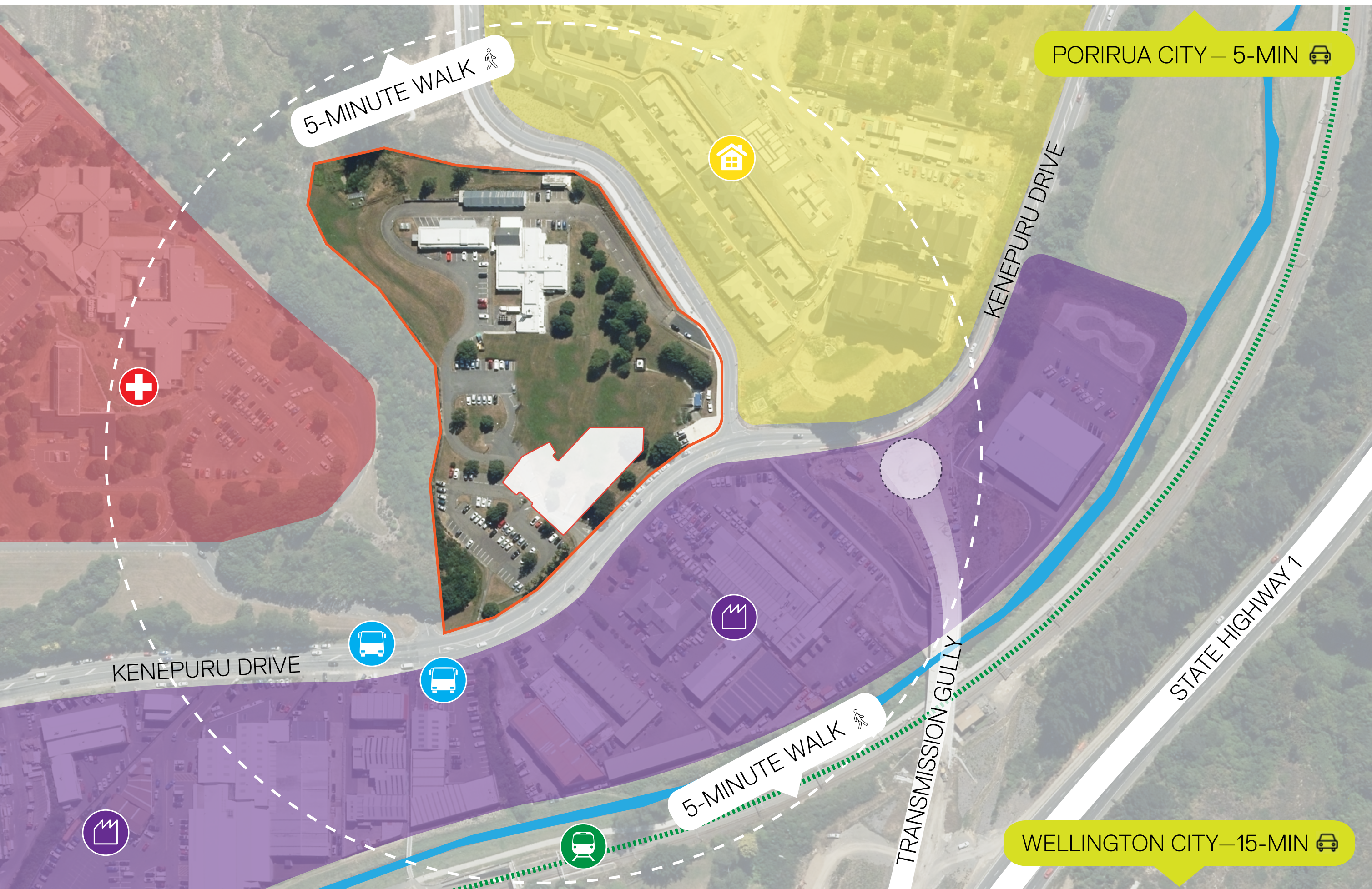


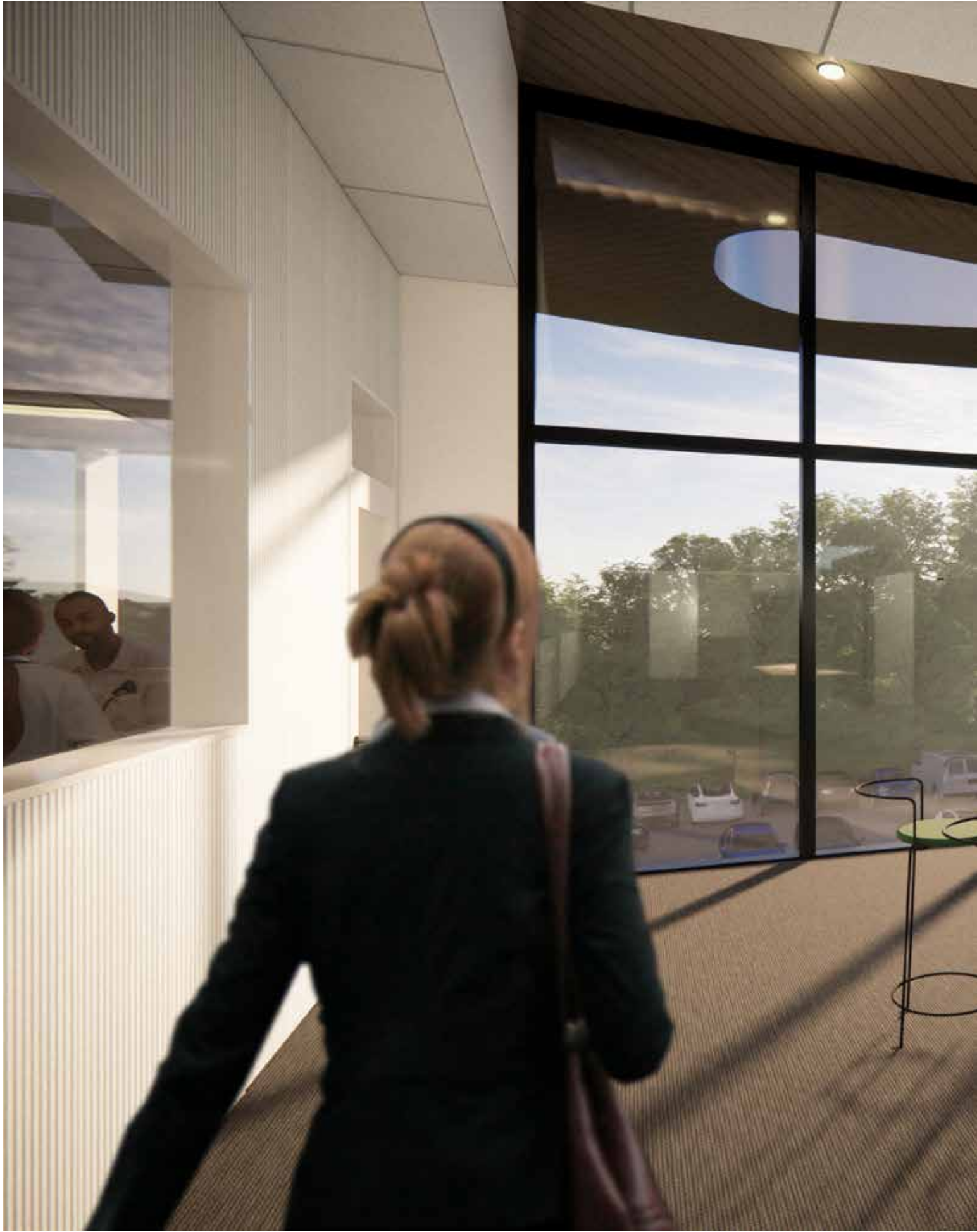


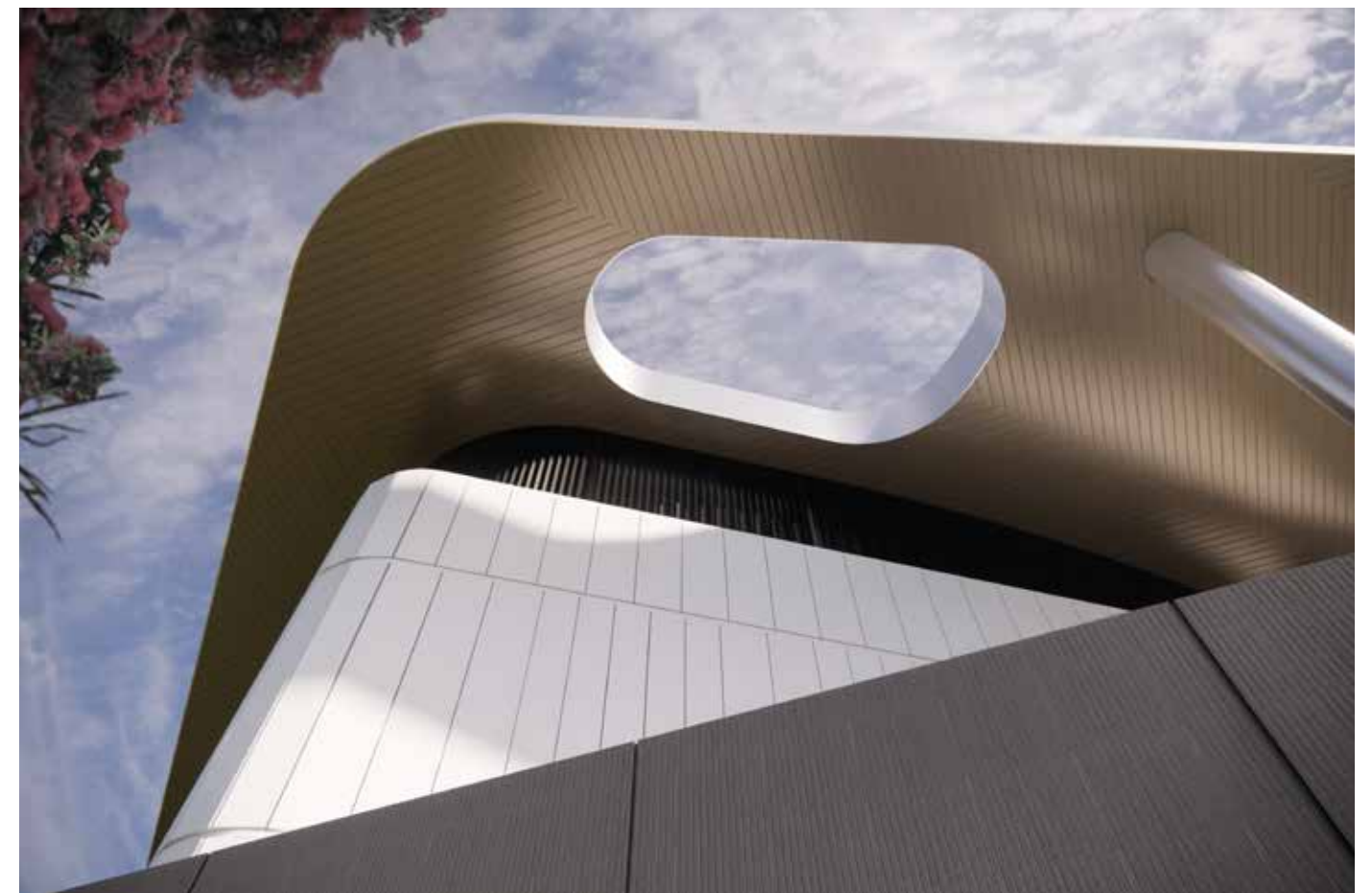
Perfectly Placed

Located just a 15 minutes drive from Wellington CBD, PHF Science's Kenepuru campus lies just off the new interchange to Transmission Gully (State Highway 1). With bus stops and a train station within a five-minute walk, it has great transport links to Porirua CBD, Wellington CBD, Airport and the Cook Strait Ferries for commuters and visitors.











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AUCKLAND WALLACEVILLE, UPPER HUTT
CHRISTCHURCH MT ALBERT
— ILAM

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