

WESTERN SYDNEY **INNOVATION CORRIDOR**

BRIEFING 2015



WESTERN SYDNEY INNOVATION CORRIDOR



A Plan for Growing Sydney singles out 'innovative industries' as the catalyst for the region's transformation.

The NSW Government's *A Plan for Growing Sydney* singles out 'innovative industries' as the catalyst for the region's transformation into a 'premier location for global commerce and business investment' by 2031. Western Sydney is seen as the 'key to Sydney's success'.

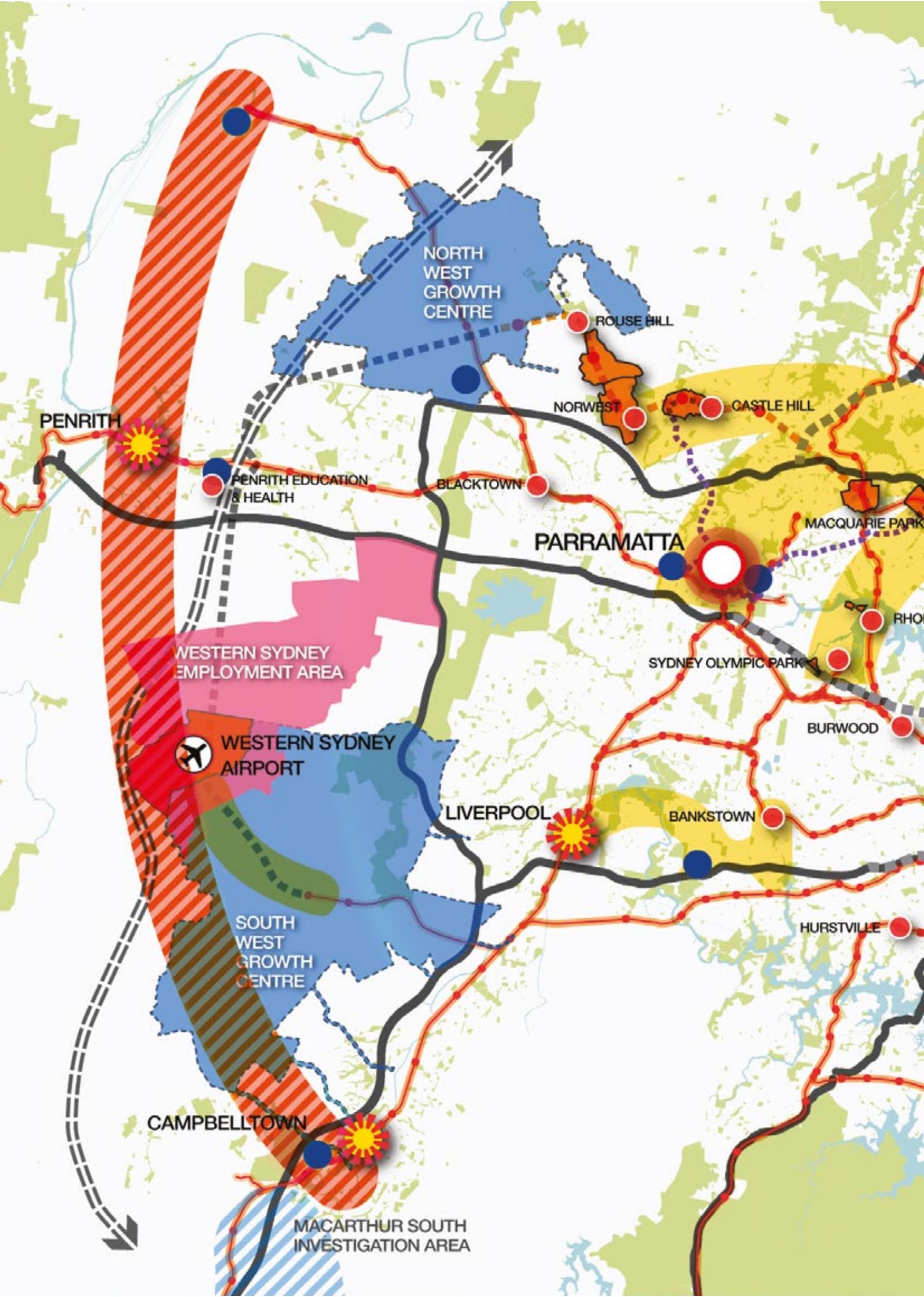
This policy and planning vision is backed by more than \$3.5 billion in Commonwealth and NSW Government investment in regional infrastructure. The designation of an additional \$10 billion for Western Sydney in NSW Premier Mike Baird's 'Rebuilding NSW' package confirms that Sydney's 'greatest opportunities' do indeed lie in the West. Local Government's increasing strategic input into the region's economic development add to the West's momentum.

The University of Western Sydney – one of Australia's fastest growing universities, with world-leading research expertise, more than 40,000 students, rapidly expanding international links, and applied engagement with regional businesses and communities – will be a key driver in the delivery of Government plans for the region.

The University's proven ability to attract, support, grow and engage Western Sydney's 'innovative industries' will be pivotal in realising the aims, not only of Government's planning and investment agenda, but the potential of the region more broadly as the destination for international 'ideas based' investment and commercial exchange.

This once-in-a-generation combination of circumstance, vision and capacity has prompted the University to launch its Innovation Corridor concept.

Professor Barney Glover,
Vice-Chancellor and President
University of Western Sydney



NORTH WEST GROWTH CENTRE

PENRITH

PENRITH EDUCATION & HEALTH

BLACKTOWN

PARRAMATTA

WESTERN SYDNEY EMPLOYMENT AREA

WESTERN SYDNEY AIRPORT

LIVERPOOL

SOUTH WEST GROWTH CENTRE

CAMPBELLTOWN

MACARTHUR SOUTH INVESTIGATION AREA

ROUSE HILL

NORWEST

CASTLE HILL

MACQUARIE PARK

RHO

SYDNEY OLYMPIC PARK

BURWOOD

BANKSTOWN

HURSTVILLE

WESTERN SYDNEY INNOVATION CORRIDOR

The Western Sydney Innovation Corridor is an economic development strategy developed by the University of Western Sydney to synergise with, and optimise State and Commonwealth planning, infrastructure and investment commitments in Western Sydney. The strategy achieves this by identifying, focussing, activating and growing the region's key, untapped strengths.

Following the arc of the 'Outer Sydney Orbital', the Corridor links the region's currently diffused and developing innovation entities into an interconnected span of knowledge-driven commercial hubs. The effect is the creation of a consolidated, yet diverse attractor of international (via Badgerys Creek) and domestic investment that supports sustainable and future-focussed economic activity and employment.

The Corridor links the NSW Government's designated North-West and South-West Growth Centres, integrating the Western Sydney Employment Area and Badgerys Airport Precinct, while linking together Penrith and Campbelltown-Macarthur Regional City Centres. The Corridor's bordering of Sydney's peri-urban regions also unlocks Sydney's capacity to better support rural and regional growth by its interface with the Bells Line of Road – Castlereagh Connection.



KEY

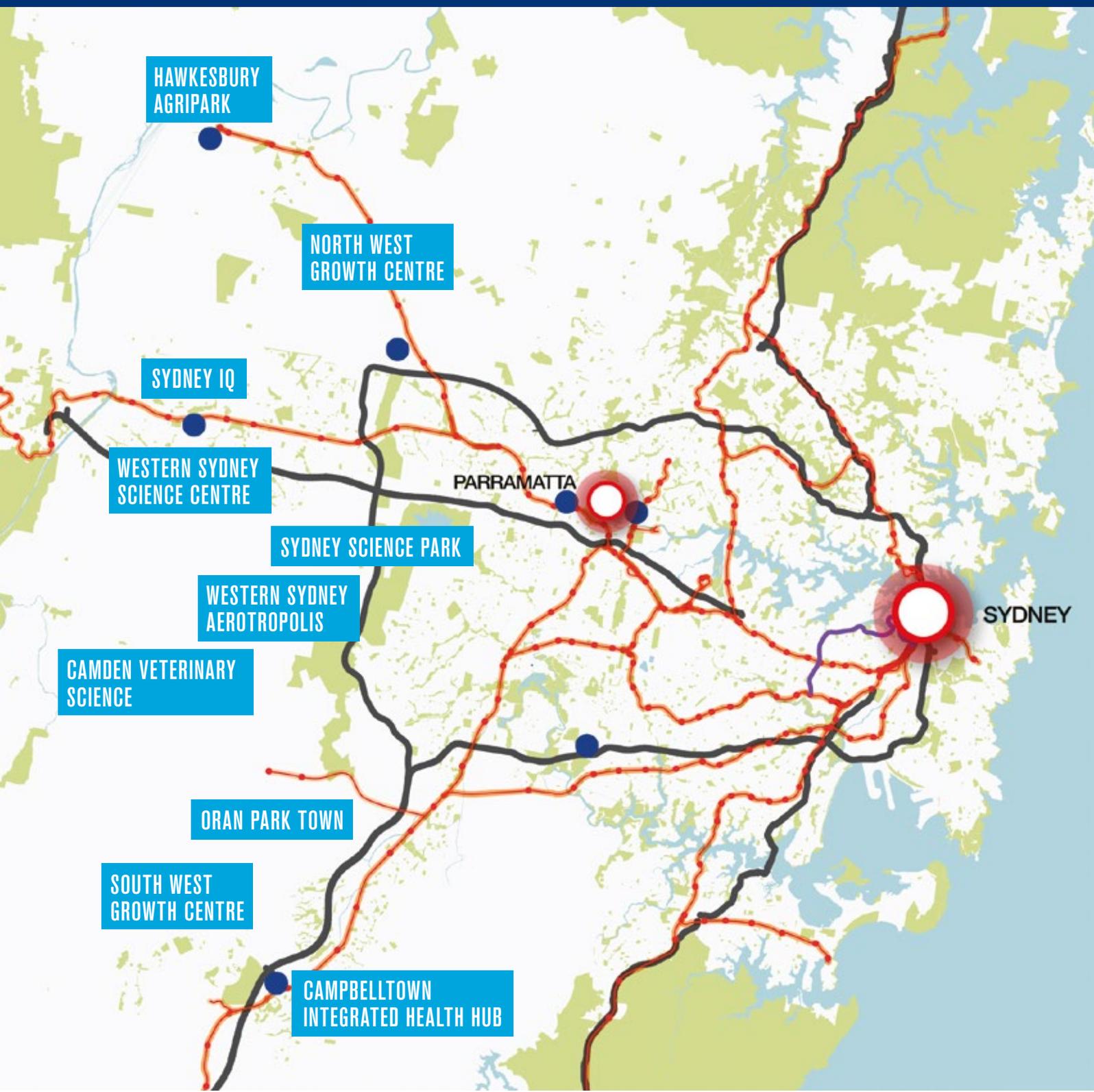


Innovation Corridor

COMPOSITION

New, innovative industries are drawn to regions with low start-up costs, a pool of young, highly skilled people, and connections to the broader 'knowledge economy'. Affordable and flexible rent or lease options, potential tax breaks and regulatory concessions add to the mix, creating an environment where highly educated, entrepreneurial employees at the start of their career work together to create a commercial zone known globally for its innovative practices and outcomes.

The region's existing large-scale innovation entities provide the bedrock on which to build a highly adaptable, internationally competitive and technology engaged Corridor. Importantly, the Corridor would support the North-South orientation and connectivity Government's and the region have sought for so long to unlock.





HAWKESBURY AGRIPARK

The University of Western Sydney's Hawkesbury Campus, situated on 880ha of peri-urban land adjacent to the North West Growth Centre is ideally placed to drive economic growth in a key 'next wave' industry for NSW.

The food and agriculture sector employs 175,000 people and generates over \$7.3 billion annually for the state, and \$48.6 billion nationally. Research undertaken by Deloitte, identifies agribusiness as one of the 'fantastic five' next wave growth industries to follow in the wake of the mining boom (Deloitte Growth 25, March 2014).

The University's Hawkesbury Campus is home to the Hawkesbury Institute for the Environment, with world-leading research expertise in a range of fields, including intensive agriculture and horticulture, soil biology and genomics, and ecosystem function. This research capacity is complemented by the campus' commercial beef and sheep enterprise,

and supports research and education through the proposed Global Centre for Land Based Innovation (with established industry and research links to China and India), and the Centre for the Future of Food.

In 2015, a joint UWS–industry partnership will complete construction of a new \$3.5 million greenhouse research and teaching facility, utilising expert knowledge from the Netherlands. The combination of these leading agricultural education and research providers will present a 'one-stop-shop' for knowledge exchange, educational integration, research investment, professional development, and recruitment.

The Hawkesbury Agripark will deliver the next phase of agribusiness growth.

www.uws.edu.au/hie/research





NORTH WEST GROWTH CENTRE

The North West Growth Centre is approximately 10,000 hectares in size and includes key sections of the The Hills, Blacktown and Hawkesbury local government areas. It is divided into 16 'Precincts' that are being progressively released and rezoned for sustainable urban development. The North West Growth Centre will be supported by a Major Centre at Rouse Hill and be serviced by the North West Rail Link and the upgraded Richmond Rail Line. Over time, some 70,000 new dwellings will be built in the North West Growth Centre for around 200,000 residents.

www.growthcentres.planning.nsw.gov.au

'SYDNEY IQ' – Business Innovation Zone

Supercharging one of the nation's most sophisticated telecommunications networks at Penrith (one of Western Sydney's four Regional City Centres), the new Sydney Innovation Quarter or 'Sydney IQ' will be a state-of-the-art business hub that focuses on activating and growing technology and innovation orientated businesses.

Utilising the Werrington Park Corporate Centre A-grade commercial space, industry-university co-location, and collaborative spaces, local business incubation and commercial testing facilities, Sydney IQ will be centred on tangible innovation opportunities for local business, community and international investors. Add to this the region's Health and Education Precinct status, and the mix of high-tech industry grows in diversity and strength.

www.werringtonpark.com.au





WESTERN SYDNEY SCIENCE CENTRE

Australia is lagging behind our Asian neighbours in a critical economic performance indicator. A 2012 OECD report on the reading, writing and science capacity of 15 year-olds saw Australian students rank 19th, well behind the top three: China, Singapore and Hong Kong. The latter two countries established Science Centres in the early seventies and are now reaping the benefits of their investment, having given youngsters 'hands on' immersion in science at an early age.

The Western Sydney Science Centre, to be established at the University of Western Sydney's Penrith Campus, will expose the region's students to science in action. This is a teaching and learning strategy strongly advocated by the Australian Academy of Science and the Chief Scientist of Australia. The Centre will significantly boost the quality of education throughout NSW's fastest growing region, enabling teachers to expose their students to the latest developments in science and engineering. Science teachers will also have access to specialised scientific equipment and facilities unavailable in schools.

The University's Observatory – located nearby – will not only be used to show school children and the community the myriad of celestial objects in the night sky, but will also be used to complement the Centre's cutting-edge astronomy programs.

The Western Sydney Science Centre will be crucial in attracting young people to careers in science, computing, engineering and mathematics needed to support the high-tech industries that will be created along the Innovation Corridor and, in particular, around the Western Sydney Airport.

The University is thoroughly committed to this project, offering a major building of almost 6,000 square metres to house the Centre. This is effectively an in-kind contribution of over \$30 million. We are seeking a further \$21.3 million for refurbishment and fit-out of the facility to bring it to world standard. Government and industry support will be vital in making this once-in-a-generation vision a reality.

www.westernsydneysciencecentre.com.au





SYDNEY SCIENCE PARK

Sydney Science Park (proposed by E. J. Cooper and Son (EJC)) are seeking to develop a 250ha site near Penrith, rezoned for mixed use employment, science, technology and residential development. With colocation by the University of Western Sydney and University of Sydney, the science park would become a leading international centre for research and development in the fields of food, energy and health. This would include high-quality job opportunities for Western Sydney residents as well as significant regional investment by major industry leaders.

Central to positioning UWS as the forefront of research, engagement and translation of knowledge, UWS will be able to leverage many pockets of expertise and partners to activate the Sydney Science Park.

UWS preliminary plans for collocated research initiatives and projects within the park include:

- » The Centre for the Future of Food
- » Balanced Urban Development
- » Colocation of other expertise and research capacity at UWS, such as:
 - » School of Computing Engineering and Mathematics (SCEM):
 - » Geotechnical, Water and Environmental Engineering Research and projects
 - » Medicine, medical devices and allied health expertise
 - » Institute for Culture and Society: Cities and Economies research
 - » School of Social Science and Psychology : The Urban Research Centre and related projects

www.sydneysciencepark.com.au



ORAN PARK TOWN

Oran Park is one of the country's largest residential and commercial developments. Soon to be home to over 25,000 residents in Western Sydney's fastest growing area, Oran Park will deliver sustainable living, with leading systems and strategies in recycled water, energy and smart building materials. The site will be served by high speed fibre optic cable, making it one of the region's optimal sites for tech-related business activation, teleworking and related ICT commercial interface, making Oran Park an ideal component of the Innovation Corridor.

www.oranparktown.com.au





WESTERN SYDNEY AEROTROPOLIS

The Commonwealth and NSW governments have committed to Badgerys Creek as the site for the nation's newest large scale airport. The Innovation Corridor would markedly enhance the commercial profile and interconnectivity of Badgerys Creek, drawing on the surrounding mix of innovative industry to create an aerotropolis (not just a point of transit) distinguished as the gateway to NSW's knowledge heartland.

[www.infrastructure.gov.au/
infrastructure/western_sydney](http://www.infrastructure.gov.au/infrastructure/western_sydney)





CAMDEN VETERINARY SCIENCE

With extensive farms and research units, the University of Sydney Camden Campus is used by agriculture and veterinary science students. The Faculty of Veterinary Science operates a general veterinary clinic and teaching hospital on campus as well as the Research and Clinical Training Unit (REACT) – which aims to foster collaborative research efforts across the Faculty, Sydney University and other universities, nationally and internationally. These projects collaborate on a number of different levels with industry and with the human medical professionals.

www.sydney.edu.au



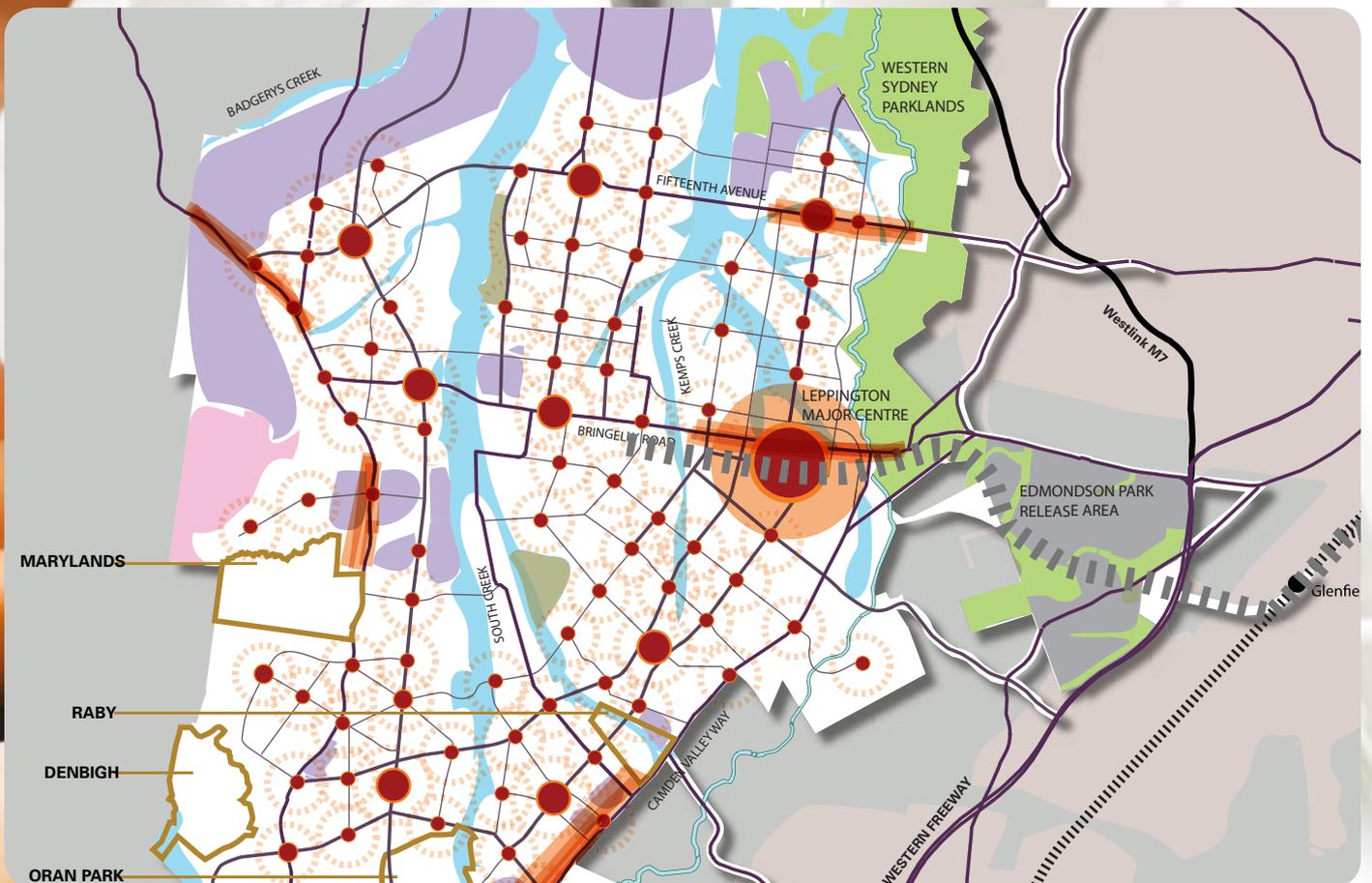


SOUTH WEST GROWTH CENTRE

The South West Growth Centre is approximately 17,000 hectares in size and includes parts of the Liverpool, Camden and Campbelltown local government areas. This new centre for 160,000 new sustainable urban dwellings will be technologically enabled with high speed NBN access, supported by a Major Centre at Leppington, and be serviced by the new South West Rail Link. To date, seven of the eighteen SWGC Precincts -- Oran Park, Turner Road, Edmondson Park, Austral, Leppington North, Catherine Field (part) and East Leppington -- have been rezoned to allow urban development. Collectively, these Precincts have potential for 22,120 jobs.

www.growthcentres.planning.nsw.gov.au







CAMPBELLTOWN INTEGRATED HEALTH HUB

With a newly forged MOU between the UWS National Institute for Complementary Medicine (NICM) and Beijing University of Chinese Medicine, signed as part of the recent China-Australia free trade agreement, the University's Campbelltown Campus rounds out the southern end of the Innovation Corridor. Located at the newly designated Campbelltown/Macarthur Regional City Centre, the campus – home to NICM and the UWS School of Medicine – is the location of the Integrated Health Hub.

With expertise ranging across nursing, medicine, allied health, community health, complementary medicine and telehealth, the Integrated Health Hub will deliver the globally integrated innovations in whole-of-community healthcare needed to keep pace with one of the region's most rapidly growing (and ageing) populations.

www.nicm.edu.au





LET'S MAKE IT HAPPEN

The University of Western Sydney is building partnerships to deliver the Innovation Corridor. Discussions with government, industry, the community and the broad range of Corridor supporters are building the momentum, expertise, backing and commitment necessary to take this bold step.

The infrastructure investment has been made. The planning framework is established. The market is ready. The expertise abounds. All that is required is for us to take the next step and make Sydney's smartest concept a reality.

Talk to us about making this happen.
www.uws.edu.au

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WESTERN SYDNEY INNOVATION CORRIDOR

Hawkesbury Agripark
North West Growth Centre
Sydney IQ
Western Sydney Science Centre
Sydney Science Park
Oran Park Town
Western Sydney Aerotropolis
Camden Veterinary Science
South West Growth Centre
Campbelltown Integrated Health Hub

The image shows a blue-tinted photograph of the University of Western Sydney campus. In the foreground, there is a circular fountain with a central statue and several manicured bushes. Behind the fountain, there are dense trees and a large, modern building with a curved facade and many windows. To the left, another building with a distinctive lattice-like structure is visible. The sky is clear and blue.

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